

SEQUENCE LISTING

10/570589

1AP20 Rec'd PCT/PTO 28 FEB 2006

<110> SOIKEN INC.

<120> HHV-6- OR HHV-7-DERIVED RECOMBINANT VIRUS VECTOR, PRODUCING METHOD THEREOF, METHOD OF TRANSFORMING A HOST CELL USING THE VECTOR, TRANSFORMANT HOST CELL, AND A GENE THERAPY METHOD USING THE TRANSFORMANT HOST CELL

<130> SK0412

<140> PCT/JP2004/012487

<141> 2004-08-30

<150> JP 2003-307335

<151> 2003-08-29

<160> 43

<170> PatentIn version 3.1

<210> 1

<211> 161573

<212> DNA

<213> Human herpesvirus 6B

<400> 1

```

tcctcgcgtt tcaaaaatta ctttaaactc cccggggggg ttaaaaaag gggggtatta      60
accctaacc taaccctagg cctaacccta accctaacc taggtctaac cctaacccta      120
accctaacc taggtctaac cctaacccta accctaacc taggtctaac cctaacccta      180
accctaacc taggcctaac cctaacccta accctaacc taggtctaac cgtaacccta      240
accctaggtc taaccatagc cctaaccata gccctaacca tagccctaac cataacccta      300
accatagccc taaccatagc cctaaccata gactaacca tagccctaac cctagcccta      360
accatagccc taacactaat cctcgcctct ggcctaaca ctaccctct ttaaccact      420
caccatcacc ccaccgctg cccccccca cacacacaca cacacacaca caccgccacc      480
gtaccacca cctctgaact tcacctttc cctccatctc gcccacttc tctctacact      540
tctccgcccc tctattctta ctctgtttt ctaggatgcc gctgccggcg cgtgtcagcc      600
acgccctgca tcgtcttccg ctgtcccact attggtggct actgttgggt cgacactccc      660
ttcgtcatgt ccattcctac cttgcctgc acaaaggctt acgccttcct ttaccttggc      720

```

ccgagcaaga atgcctgcat ttacatccta agccttaca gtttctcctg cgttaccctt	780
gtctaacaag acaaccgcat cttcttcagg gctggcccg gcattcttct ctatgtgagt	840
gacatttaca cttccacttg ttcacatgat ttattgtgtt ttgtctgcta caccaagcac	900
atttcggttt ctcttttata catttgctc tattctctcg gtctcagggt tcgaccctaa	960
accctaccat cttcggccga cagcaagttg ctaccgctgg gcctgatcac gctgtccgcc	1020
ttttccatgc gcgtttctga gccgacacac tgcagcggct tccacgcggc acatccgtct	1080
ctcagttggt taacgggac gtccccttgg ctcgtgctcc tacaagcgcc aggagggtct	1140
ctgttctgcc acgacgtgtt ccaaggccga ctctatctcc tgtcgactc cgtgtcgctc	1200
tttctaaaga cgggccttcg ccagtgtgag gccatctatc gcgcaccgct gtggcgcgta	1260
cggccccctgc cgagcctatg gacgtgtcga gatcccgaca cggccttctt gccgaaatta	1320
ctggcgagaa ccgcccgcg cggcctggcc gctttctatg ccctgtggag actgcatctg	1380
ggatccccgct cggagctctc tcaccccggtg ttggagtggg agagaacaga gctggtcctg	1440
acggatcgga gacgcaggtg gccgtgtacg cacctcctgt ccggctcgga gttccagcgc	1500
gtttcctcga gtgacgccgg agacacatgg aacgcagcga cagagaaggc ggcgggggga	1560
aaagaggagg cggagagagg cgggcgcacg caagccactg acagactcgc aagtccgcac	1620
ctgacgcggg gcctccgcga ctccggctcg tcccttcagg gtgaggagcc cagcgccgcg	1680
gaagactttg cgaggtgcag accgctgctg gacgaactgt gcggggaggg cggctggctt	1740
ccctttgcgt ttctcacggc atctccgcac gtctgtctga tcctaacga gggaggcccc	1800
gtcctggcgc ttgacctgaa cgacacctcc ctgtggcgca tcgcggacga cttggagctg	1860
ctgctgcgcc tggggagcct gctcctgctc tcagggtcc ggcttctct cctcccccg	1920
agcgggagcg gcgaggcggc gagaaagccg gggtacgaga aggaagaggg aagagggaga	1980
gcggcgacgg cgagcgcgac ggccgcgacg tcgccgcgca gaccgaccg tccgaggggg	2040
gtgacggaga agggacgtgt gacaaccggg gacgtccctt tctccgcaca tcccgaatct	2100
gaggaacaga cagacggcca ccacgggcgc caggaaagcg gccacggcga ccagcgcggc	2160
ggggacggac gaggacaccg cgatgacggc gcgcgccgcc acgcgaatga cgaaacagag	2220

ccccagcagc gcggagagca cgaggacggg gaacagaccg actccgggcg cgaggaggac	2280
gcacaggaga gcgaggtcgc aagaagagac gagaaggga cggagcaggg cggtagcgga	2340
aggagctgcg ggagggcaaa gcagacgtac ggcgggagag gcgaacatgg tgcctggtcg	2400
tcgatcccc tgctgtccc caggcccgat ccccgctgtt gggtccctcc tcctcatctg	2460
ttattccctt ccccgctgcc gtcgataacg cccgtcgaag acgagccgtc cggccgccct	2520
cgggtcccc caggtcccc ggaggaaccc tctaagtgtt ctccgtgccc gccctgcccc	2580
tcgcccagc ccccgcagtc cgctgtcccg cgcctctccg ctctgtccgt cccctgcgag	2640
tccaccgagc gtgtccgttt ctccctctcc tccctctcct cctcctctcc ctcctctctt	2700
tcctctctct ccccgctcta ctctccctcc ccgttgtctc cgcctctctc cgtctctccc	2760
tcgtctccca gatctccgtt catctcccc attagatctc cgggactccg agcaaagccg	2820
cgggtgtcct ccgggcatcc cgtggcggtt ccgcccgcgc cctcgtccgc gccgcccttt	2880
tccaaaagag tcccgtccgt tccctcatcg gcattctcgt ccgcgccgtg catcggcagg	2940
tcgcccgcgc cctccgcaca gacggcgtga gacgccgct gaggtgacgg aggcggcgaa	3000
gggacacgag aagaacatgc agaagaacat gaagacgaag aagacgaaga aacgaggacg	3060
aaaggagggg aatacacagg agaccgagcg gcggatggag cccgctcggg ttgacacgtc	3120
cgcgataccg agcggactcc gtcgccgtc cggaccctcc acgcccctcc gtccaggacc	3180
cgaggtccga cagccccca cctcgcgcac ctctccgcc accaccgtg acagtcccg	3240
catatcccc ccatacacac ccagcagcag aggcggcgcg acacacacgc gcggagcacg	3300
cacgagaaca cgcgagacat cggccgccga aattaacgga gtctatgcgc gcgccgtgac	3360
acggaaaacc aagcggagcg agacgatcga ccgactcctg ctatccttcc tccctgggta	3420
cgggtccacac gccagtctgc ggagtcacct gagggccgga tccgctccgc gccccccgcc	3480
cgatccgccc cgataaaaaa aaatcatctg actcgtgccg gttcacacag atgcaaccga	3540
tgacaaaaaa aaacacacca ccacaagcaa acgctcgccg gcccgttcac cgtccctctc	3600
acccccactc gaatcgcgca ggcgcgctcg cgggcagtcc cccgaacgcc tccacggcaa	3660
cgtcctctcc acgccccctc ggtccccccc cccctccct ccateccccct ccccgagca	3720

tacacgccga ctctctccgc agaggcggcg accacagcgg cagcggaaac tgtaacggcc	3780
acgttctttg aacagtgaca gtaacggcgg cggcggctgt cgccgtcacg gtagtcgtgg	3840
cggagcacc c ggggaggcga cgacggggac taccgatgct ctcagatcat cgccatagt	3900
aaagagtacc gaataaaaca agttaaattt tgttgtaaataaaaaaaaaa tactatgtgg	3960
aaattaaaaa taaaaaaaaa atgaaaataa aggctaaaca ctgactaaac gtgcatacctt	4020
ctccgtacgt cccctttcaa taaatggcgg acccgacctc tccataaacg gagacacgcc	4080
gggagactcc ggccctccca atccacaggt agcccagac ctaatcaca aactgtacct	4140
gaaaccgaaa gtatagaggg cggcctcgaa tgccccacct atgaggcggg acttcgcgac	4200
gcgccaccct tcctatacgc cgggccttcc gcgtgcgcgc ctataggacg catccccctg	4260
ccccgaaacc gcaacgcggc agagtgcggc ccacaccccc gtcccccgag ttgcgatgg	4320
gctggcgccg accctgccgc ggcaacgaag gcgaaacgag accccgacgc atgcgggcat	4380
aaagagcgag aagtaaacgc ggggtcccga attatcgca gactatttgc ccgggcccgc	4440
cctcgtcctc atgcccttcc ccccgccctc atcccccgac acaccgggtg ggaaaaacga	4500
aagacacata aataaaacga attttgttgt taaaaatgtt tccacgtgac gtccccgggtg	4560
attcccgag atgcggcacg cggcggattc gcccgtttac atcgggggtcc gcagacgcgg	4620
ttctgccagg gcgttgcggt gtcggttccg cacagaacac cgcggtccgt cgtcaccggt	4680
caaccgcgcg gtagttccgc gattctatgg ttcattctcg ctcacagcgt tctctttctt	4740
ttatttttca ctgagccgt ccaccaccaa gagtgttact gactacaccg tatacatgtt	4800
tttttatctc tccacccctc cccatcacag accatcaaac accttgccgt atcgacactg	4860
actatactcg accgcggatg acaacggctg ttggtcaca caagagctac agcggacagc	4920
aaaaataaga taaatacagt aagagagagg ccccggtcca cataggaagc caaggcgga	4980
cgaaaataaa aaccggtccg tgattcacac acgaatcggg ggttatgaca acgcgacaca	5040
cgcagatgag ggacggacgc atcgcgatcc ggcgcgacgg ggcgcgattg gcccacgcgc	5100
gagcccgtgc ccgcttcgag tggttgcctc tggctcgcgg caggccgtcc aaactgtacg	5160
gctatacgag tcggcaccgg ggagaacgga tccacctacc gtggccgcgg tactggtgcc	5220

tagaactcca tccggatccg tacagggacg ccaggagcgc caccgtgtgg ggtcaccgct	5280
ggggttggcc gccaacgcac gtgagaccca gatccgttca agactgcggt gagtgagcgc	5340
cgccgcgacc gacgacgcta tgcgcacacg ggcgagcggc ggggagggac gtcggccgca	5400
gggcgagcgg gtggagggcg agcgggtgga gggcgagcgg gtggagggcg agcgggtgga	5460
gggcgagcgg gtggagggcg agcgggtgga gggtgagtgg gtggaggggtt cgtcgaaaac	5520
caccgaagac attggctggc ggagagtggg gacaaaacaa cgtcacgtca ggggcggaga	5580
aatatagggg ggcagaccg tcaaagcgcg agttacggaa aacgagtacg gatacacggg	5640
gggggggggg gggaaggaaa catggtgaag tctgtgacac gcgtgaccgt cagccggcaa	5700
cgctgccac ggctccggc ctacagacg actcacggag tttctccag acattgtttt	5760
ttttttttgt attcatcggg aatgcggtat acgtaaattc cccgcaaagg tactttccgt	5820
taaggacggg acaggcggta tgacttccgg aacacgatga ttacggatat cctgcatagt	5880
gtacaggaga ccgctttttt ttaggttccg tataaaacgt acgtcggcga cgtacacaca	5940
acggttaaaa aaataaaaaa aaaagaggaa acagtaaagc tcctccttc ctctgtgtta	6000
tcgcgttgag ttagtagtcg ccattgctgt tgcgtatgct tttcgcgta acggtacgcg	6060
acaggatacg aatgcgttac acgccgcaa ggcatcccta cgatgactct atgcggcatc	6120
tcccgttcgc gcagaaacgc gagttcccgg gacgccagtc gtgacgtccg gccgatggga	6180
tgcctttgcg tgtgcggatg tttctgctg ttttatagga acagagacaa gagacgaaaa	6240
tagcggaaacg ccactataa cgtgcatttt tctctgtgtt ttgcgttttc atgttttatg	6300
attcttctac ggtatcggcc ggaacggta tcctcgatcc ttctcgtacg cgtgtcccgc	6360
cccagccctg gactcgagtc tgtacgtatg ttgcggatac ggagaaaaac ttcaaccgt	6420
gggcttcgta agctcgtatc tgaccactc cccgctcgac acgttcgcg tgctcctggt	6480
cggtagagac ggagccgtgt acgtccacca catgagggcg gccagactct gccgactggc	6540
gtcgaacgta acggagtttg caaggcgagg gctgcagcgg gaccccgtagg cgtatgagga	6600
ggacctagag ctgccggacc ggcgtatgtg cggaacgaac gtcagacatc tgttcgacgt	6660
gatcgccgcg gccgccgacg aacacgacct gctgaccgtc ggccggcctgt gtcaaacgca	6720

cgccggagtg agctgtgaat tactagagac cgtgcgagat ccgtggacgg cggttccggg	6780
cgtacgcatg actctgaccg tggcgcgggc tcagtatcgc ttgtggcccc atgccccggag	6840
acagctccgc ctgcacctgt acgcgggaca ccccttgga ccgtggatag tgtgcgccgt	6900
tctgtctcga gagagggaga cgcagacgcc gtcgcctccg ataggcagcg gaggcgtgac	6960
tctgggaaac gtgcccacgc cggggccacg cgaagtggag acggcttggg tgatcgtcac	7020
ctggcgggac cgctgttata gttctggccc gataacggca agatctgccg tctggcgaac	7080
tcgttcgccg ccctgtggag gatgggccgc gggccatgag aggacattgg acgtattcgg	7140
ccccgggtag acatctcccc gggaacgctt ggccactcct gtgaacacgt gagaccgccg	7200
gtcggaaaac ttccccggca aagagcgtac ctggattaga cgccacggcg gagacgtaag	7260
gatgcgatat acggccagag acatgaccgg aggaagatca tgacaaggat ctcgaaatat	7320
aaaacaaaaa aaaaaaagtg aggagtgcgc aaacgcaaga aaagaaaaag cagaaccgcg	7380
gtggagatgt ctatccgcct gcgtgtatgt gtgggggtgt tatatgtgcg cgtgaccgta	7440
tcctccctg cctttaacct gatgagaaat aaaatcggcg aatgtacaca atcacacaca	7500
atgtgcttac gttccgtgtt actgacacca cataacaaaa aaaaaacata cttcctgtcc	7560
gtgagacacc gccgccctct agcggagttg ctatagcagc gcccgatgcc aacgcgacac	7620
ggtgagtcgc atagatcggg actgcttgaa agcgcgccac attcgccttt tatatagacg	7680
ccccggggag tgggaggagc caacatacac acgaggtcgg tctgggggttg gagacgaacg	7740
cggaaaatca acggcgtaaa aaaaataaaa aaggcggaga cacatagcct tggcgggaag	7800
acgataacag gttcaaagat agacagtga aaaaaaaaaa agaggagacc atgacattga	7860
atacacgtgc ggcggaatc caatcaacgg gacgtgccgg ggcgcaaaaa aaagtatacg	7920
gaagtgcatt cgacagacag tcacgcggac cgacgacaaa ggccgactcc tagcatggca	7980
actaggaaaa aaaaataagc aacgctgcaa aatactaaca aaggaaacat cccttcaccc	8040
cctccctacc ccgtctacca caatacccc cccctccgt aatcacttct gtccgcgttt	8100
ctccacagg cgctgcaca cgcagacacg cagacacgca cacaccacct ctatggcagt	8160
cgcgggcggg caggcgggga gcatacgggg ggcagatgta aagtcaatga ggaacggcat	8220

agcgcgcgac gtgccgtcgt ctcggaccct tgctattctg gcacgacgcc aagggaagcc	8280
tctggcgcaa tctataaccc taaccctaac cctaacccta accctaaccc taaccctaac	8340
cctaacccta accctaaccc taaccctaac cctaacccta accctaaccc taaccctaac	8400
cctaacccta accctaaccc taaccctaac cctaacccta accctaaccc atcccccaac	8460
gcgcgcgcg cgccctctat gggaggcgcc gtgtttttca ccaaacgcg cgccactgcg	8520
agaggcgcg gtgaaaaacct cccctcccgg acgggcccga gtcgtccgcg cgtgtcgccg	8580
gtgcgccccg cgcccgggat cccccacct cccccccca aagaacgggc gagggtatgg	8640
gggtggatgg cgtgtagttt aaaggcgaag gtgcagccgg gcgccggagc ccggtgagag	8700
cgaaaaaacg atggcgcgcg cgagagagaa agagaggcag aaggcagagc cgagaggga	8760
cagacgagga gacgccggag gaaagagaga acggccgcga gggccatgag ctccacctag	8820
cgtcagacta cgccaccgcg gccgcggtgc gctcgttccc gaggagggcc cgcatgtggc	8880
gcgagagagg gagaagagcg gacgcgtgta gaaacggcca acgggcggat gcgcagagcg	8940
ccccgccggg cgattgacct ttccacagac ccccgaccca tttcggtgat gcagatacgc	9000
acgcgaacac gcacagacat gcctacgcgg cctcaccgag cagactgcca cgtgagcgaa	9060
agcatacaca cacacgaaaa aatacacaca agaaaatata cacaagaaaa tacacacaca	9120
caaaaaatata cacacaaaaa aatacacaca caaaaaaaaaa tacacacaca caaaaaaata	9180
cacacacaaa aaaatacaca cacacaaaaa aatacacaca cacaaaaaaa tacacacaca	9240
aaaaaataca cacacacaaa aaaatacaca cacacaaaaa aatacacaca caaaaaaata	9300
cacacacaca aaaaaatata cacacataaa aaaatacaca caaaaaaaaaa ccattttatt	9360
tatgcgctgt tctcacaatg ttaacatagg acaaagacaa ccacgaaaac gaccacaaca	9420
acaacagcag caacagcatc aactacagca acagacgagg gcaggatcac gagtgtcaa	9480
ctcccgcatc tccgtcgcgc aacgtgtcct cgcagtcctt acggactacg gtagaagccc	9540
cgcaagagac tgcggacatt tcccgtctta ccatgtgcgg agaaagttga tagacggcag	9600
gtagatttat cacaggcgcg tgcacgcacg tcacgggcag ctgcatggtc cacagatgtc	9660
ccggagggaa tcgatggttc ttgaagagtt ttctgacacc catggcgaga aacgccctga	9720

agctatcggg	caggcgcacc	acggctcccc	cgctcgagact	ggccgcatac	accctgccga	9780
cctgatccat	gagcaccgcg	tgtcgtctga	gcagaggtaa	agtaacgccg	cgtccgaaga	9840
atctgccgat	caccaccgcg	acgcctccgc	cgggtatgag	ccgccacctc	ttctccgccc	9900
tcctgggtac	ggcaaaactca	aagaaagctc	cgcgcggcca	aggcaacggc	acgagagcct	9960
tatcgaaaaga	cacggcgaaa	gccagggcgt	cgtcaactcc	actcatgccg	ccgaagaaag	10020
aggcgccggt	ttccatgaga	cacttggaac	cgtagacggg	ctcgaagcga	cgcaagccgt	10080
gcttccagag	accgaacgcg	tcctccgcga	gacggtagac	cgcgtcatcg	aacacgccgt	10140
taaaacgcgt	tatctccccg	cactctccga	ccagcaccag	cgcggaaact	tctgcgaaga	10200
tagtgacccc	gatgaccgtg	agatccatac	cgggacagca	cccgtatccg	cgagacagct	10260
tggccaactc	ggcctgcgtg	atccccagca	tgtcgggaagt	ggcgaatctc	agttctgccc	10320
ccacgggcca	cgagagcgcc	aacctgcaat	gggcaaaagt	agagacgaag	tccttcacgt	10380
cgtccgccga	tagcggccgg	gcgacgagag	tccgaacgaa	cgccgtccat	ttaacctccg	10440
gtactgccgc	atcgcaccgc	aggtcacgtc	ccgcagagaa	agagcacgaa	gaagggcaga	10500
gagcagcaga	ggccagactc	caagaagata	tgccgagaaa	cggagagcga	caaaacattt	10560
ttttctgtg	cggaatccga	gataaaatta	aaaggataaa	aaaaaaaaaa	aacgataacg	10620
gcagcgttac	cggcagtctc	acataaacgt	ctacgatcac	gttaaggacg	ctacaactgt	10680
tagaaacaaa	caacgttgaa	tcgacatatt	cccgacgtct	tccacgaaaa	tggaagtga	10740
ccgaccgccc	acaaaactgt	gaacacatcc	catccccggg	taaaatatac	aatgatccca	10800
gacgtcaaaa	gcgcccgtaa	gaactcgatc	taccacgctt	ccattctttt	tttttaaaaa	10860
aaaaaaccta	accttcaacg	ttagggcgaa	ctatcgaact	acgtcgtgca	cggcactcct	10920
agtgccggcg	tccggaaatt	cctgacgctc	atcgtttcta	gcctttacaa	acagcagatc	10980
atcgtcggcc	tgccctcaag	ttttctgata	aaacattcgc	gagagatgac	aagtcggaag	11040
aagcgcccat	tcgggctgct	ccctacggaa	aacgtagctc	ttataatact	gaatgactcc	11100
tatccgtcta	aactgctgaa	aattttccgc	cacaaagcgc	ggccgtccgt	cttcgtcggt	11160
gtcgttgaat	ccgaaaatcc	gtccgtcgtc	ggccacgtag	agagaaatcc	gaccggcgctc	11220

cgcaaagtac ttgtagccga agctgccgaa gaaacacatt tccgcgagcc tgcgccgtgc 11280  
 ctcgtcgcac ctgacgaata caaaagaatc ccgccgccga tgaaagagca gagtctcggtt 11340  
 cttgggccac ctcagggcga aagaacgacc tatgtgccgg tctcgaaagc acagcacgtc 11400  
 ccgacaactg cagacgccgt ccacctcggt gtctccacc acaaactgca gcgatgatac 11460  
 cagctgatgt gcgtaataga acctcttcag acctttacga agaaaatcgt caatgggtgc 11520  
 accgacgcgg cacagttgct gcggcaataa ccacgtatgc gcataaacgc gaccggcacc 11580  
 gccgagcaga acgactatgt cacctttcag aaaccagtaa gccggctccg atccgatctc 11640  
 cccctttttc ttcacgtgcc ccagtacgac gaggcgctcc cggaacaca ctagatcggc 11700  
 cagtcgcccc aacttttcat cggcataatc attctcgtct ctacagttgt taataaccag 11760  
 ctcgtatcct tcaggccaag ccaagggaat tcgcctgccg aaattgacga acgtaaacad 11820  
 tcggacgcta ttcaggcacg tatagacgcg caagagatcg acgagatctc tcttgactt 11880  
 gttatagaga cgtggacgtt tcttcacctc ctctgagac tgcagctcgt catccccaca 11940  
 catcatagaa tcttgagccg gctcatgaag gccttcgata aatcgacccg tagccgtagc 12000  
 caaaatctgc cgttgccgcg aagaaacacg ccggctgttt gtcgtttcca ttacgggctc 12060  
 acagcgacag agaaatagca ctcaaaactt agtaagcaaa agttgcaact cgcaaaaaaa 12120  
 aatgaaagat aatatagtca caaaagaaac ttgtcacaat gtacacccaa aaagaacgat 12180  
 atggatgatc acacgacaac ggcaacaata atatcgTTTT tttttaagc taaacaaagt 12240  
 gaaagaagcg taccggtttt ccggattcgt ctgtatcaga taaaggtcac acaagccagc 12300  
 ttaggaacgc ggccgcttc gcgaatgtct aaccctcgct gttgcacgcg tcttataagc 12360  
 ctacgtctga ggactattcg cttttgacgt ctccggtgct cctgcaacct gatgtcaaac 12420  
 gagccgccgc cgccacagc gtaaggaacg acgttcggat acacccact ccacatatgg 12480  
 gtcccgtaaa gattgcagtc gtgaaaacga aaaaacctca ccggattcga catgtaagat 12540  
 aactccagag tattgaggaa gccctccaga acatcgtgcc ttatctcgcg agcgagtcgc 12600  
 atggatgcac acaggtcgcc tagacagatc ttttttaggc acagatgctc caagagcgca 12660  
 cgaacgcgat gccgttcctt gtcataaccg gatacgagaa tcgtcacgat ctcaagaaag 12720

aaaaaacaca accgagggac gcgcatggga tctttaatct cgaactgaga actgacaact	12780
aacagtttga tcctgacacc gtggaggcca gaaacggtat cgatgcaacg ctccatttct	12840
gagatcgctt ttacgaagaa acgagcaatg gccgtgagat cacttacgat gcgctgtttg	12900
acgcgtctca gcagaaacag acacagaacg atgttgacgt acaccttcaa gatgttacgt	12960
tcgaaatgcc ctctcccca ctgcttatcg tgaagaatgg gcaaatgccg cttttccata	13020
gagttaagaa taagagaaga accaagatct cggatcaatct ccgcccggag agcgaccgt	13080
tcacgcgcgt cgagggtgcag ctggcctaaa attagatcag ctggatcgaa ttcggaaata	13140
tcagatatgt tcacggcccc ggaatctttc ttaccagat agatccgaaa gagagacgcc	13200
cggcactgat cgcaactaca gagcacagaa gacacaaagc gataagaaga agcgtacgcg	13260
acaaagatgt aatcggacaa aaagtgtttc aagagcacac tcgtcggaga cgccgcgtcg	13320
ccatagatct ccttgggatt gggcaaaaata tcgaacaagg tcaacagagt attggactca	13380
ctcctgttcc tcagcataag gaactgcagg aagagggagt ccaacaactc caaaagacgg	13440
ttgaaatgcg ccgagatagt atccctcttc tccccatga cgatgtactc cagaatcgag	13500
aagtgcgcca gagcgggtgca ctgggtcagg agtcgataaa aagctgacgt ttcgtcctca	13560
aaagttaacc gttctaagag agacatgaaa gccgagagat ccatgggtcgt ctttccacgc	13620
ctttggaatt ccacagaaac tttctccgcc agagccgccc agagaacact atcgtcacaa	13680
aatcgtaagc cgcggtcat gaacagatcc tctgcggtca acgtgccgt atctataatc	13740
atctcctccg ttatgtcttt cagatcaaca tcaagttccc tggaatggtg aacggtcagc	13800
gagagatagg gatggttggg aatggtatac gtgaccggtt ctggaacggg tcccttataa	13860
atgtcgtggt ccaataactc catcactcaa gtaagtatat atctgagaca gcgtttattt	13920
ttttgtcgca gaaaaaaaca aacgagcaga attcaaattg caggagacgg ccacgtacat	13980
cacaatcgag aaaacacaca atcactcatc cccatcatgt ccattcagtt cgccggcaca	14040
gtccggtgca tattcataat acttgtaatc atccctgagg acgtccaacg accccaattt	14100
atacccgata gctctgacgt ctttctcggg acttatttga acacccgat gattaccact	14160
cccaaatat ttcaagccac tgaaaaaaaa agccatagtc ccgtttatgc acctggtgtt	14220

agttaaataa tcttcggcga cgggcaacac tacccgttgt agccgctgta agaaattctc 14280  
 ttcatgggta ttaacgataa aaaaacccgg aatgagatta tcagaagaca ccaggtcacg 14340  
 atcattgtgc tcgtggaagc gttttatatg aagatgatgc agaaaaaaca tttccatgaa 14400  
 ccgagtctcg tcgtagtctt tgtaagcagg aacggaaaaa ccgattctca gagcttccca 14460  
 acactttaag ataaactgac tcttttcccc gggacaccta acaatttctt tcatttgttt 14520  
 catcgaagaa aagtagcaca ggtctccgag gcacccgttc cgccccagct tcatttcttc 14580  
 ctccatggtc acacacaatt tccccacttc ttccgtgaag aggtcgtaat atatgtccaa 14640  
 ctcagcattt atgacacggg agagggtgtt cacgacgaac acaatgaaaa caatgttagt 14700  
 taagaagggt agcaatgcct tcttatccgg ggtgacagag atctgtagcg aaataggcag 14760  
 cctactgtgc tctatctgac cttcaatcat gctcaaccct aaatccttcg ctatgagact 14820  
 cgacagactc aactgtagg gttcacccaa atgcagaaaa gccggaagac gaattgaacc 14880  
 tatcatagga aaacactgaa ttccggacaca gtggccaaaa tcacacttcc tgcctctctt 14940  
 gttatacatg ataaacatgc gcctacactc gacacaacca cacaggagca taaagtgctc 15000  
 gatgagacag gattcgatac gctcaaagaa atcgtatctg aagaagacat cggatttggt 15060  
 ctccaagcag tccttcaatt ctgacccca gtgacaaaga ttataacctc ccagctgccg 15120  
 agtagattcc tttgtcaact cttttaactt gctttcaaac tgaaataata acatggaggc 15180  
 gtactcacat agatagcgac accagtagcc cagcgtaggt ttggacgcga agttaaacag 15240  
 agacgtcca gcatagagac cgataaaagc cagtttagtg atgcactgcc acttctcatc 15300  
 aaaattgtcc ataaatttca agtttttcac catgtcagca atctgatcgg ctctgacgta 15360  
 ggtggaagga tacttgtaag tttcactc ataatctatc agtctgttcc aactacgca 15420  
 gtccgaagag ggatgtagtc ctttaatgcc aaatctagct gctgaggttc cctgcagacc 15480  
 gttcgtcaac ctagcgcagg agacgggaac gacaaacctg ctggtagcgg gcagtcgacc 15540  
 gacgaatacc ggcgtgagaa attttgtgat aaatttaacc gtcggcgaat cctcttcgtc 15600  
 cagacgcacc gcaaacagaa ttttgctgcg gtctttcacg agcctgttgt aagaaaaaac 15660  
 aagttaacgg agagtcttca tcctcgaaga attgtctttt cgggaaaaac gacacacaac 15720

acatctaccc acctgtcctt tcgcaacgac atatgccgag gcttactgcg gagaacgggc 15780  
 aactccccat tcaacatcct attaagattc tccgtctcag tgtcacttat ataaaataag 15840  
 gtatcgatcat tccagtccaa tgaatacttc tctttataga gcaattcatc aaatcctcta 15900  
 cgtataaaaag tcctcaaact tttagagact ttgctgattc tgttttctac gtagatatag 15960  
 atgtgacagt tcgagcccat aacgatagca gctctgcaat ttggttcagc ttgagagcgg 16020  
 gcacacgtcc ctatgatagc ataatccttt tctgtgattt tctctagaat gccagggtcca 16080  
 gtcagataat aaatatccga caaggaacaa aaggaaaagt caaagtcctg gaaagcatcc 16140  
 accctgattc tcttgccaca atgttttgct acgtaatcct tcatagccgg gagattcctc 16200  
 tgtaaaagga taaattcctc tcggccgcat ttagtctctc cgaaccacat cttttcctgc 16260  
 tctggatcta actccgcttc ggcaaagggt ggaaattgtc taagtccgat attgaagaac 16320  
 tggaccagtg attctgctat gatgtacact ttctccgtca ccgtgtccac ggcaatggtc 16380  
 ttccagttg aactatgcat cacgtatgga tcgtagtcag gattcggatc acgatatatc 16440  
 ggggtgagcg acccaatggc ggacaaaaat tcatcagtat ccagaagact gctccagtca 16500  
 taggcactta cccatctatg cgtgtgaaag tgataaaact caccagagt taatgcatac 16560  
 atgggaggcc aggcgataca acatcgcaag cccggagaac tgatctccaa cccgtctccg 16620  
 taagctgcag acagcacgtc tacatcaaaa tccaaagtag gcacacatga tgacaagggtg 16680  
 aactcatcgt tgcagaccgg tacgatttct gtttgaaaca taaacgcaa atgaagtaca 16740  
 atactttcac acaagactcg ctttccgccc tccgtttcaa gtatcagacg aaaattcgac 16800  
 atgaactact tactgaggct catgcacgat tgataagtct ccgacatgcc caacgtcgac 16860  
 atccgtccga agcgcatgga tatttttcca atcttctcat aaccgcagtc cgcaaaaagt 16920  
 ctggcaaatc ccacacgcaa aaaagtcagt agacaatcgc ccagcttcac cagcacgttg 16980  
 tctatccaat cgtaataata tatttttcca gatttccta tacatagaat aggtcttgta 17040  
 catttagact cataatcatg gtcattcagg taacctaac ctactacttt ttctactaag 17100  
 tcttcctgtt cttctagatt tgccaagcga catgtcccta tccagacact gtcacgagtc 17160  
 cctagagtca aactcttaaa aaccggcata tccaatctca gatcccgccc gacgttgaga 17220

gacacgaaac gttccacatc gtccaaactg gcacaacggg ccagctcatc aaactctcgc 17280  
aacatggcaa tgtaatgttt cctcatagcc ttgatgccca aaacgccttt cctattcaac 17340  
ttcagatgga cattcaaagt acagggactc cttaacacat cattattcct taaattttcc 17400  
agcgattcga atctggggcc gtcatacaag ccatgacggg acacaggctc cgcgcatgtg 17460  
atgatgttag taccaggac gccgtatctt acaaattgct caaaattatc acacacgaag 17520  
tggagagtat ccgtctctag atcgtgcaag aaaattcttt tagatcggcc gatcaaaatt 17580  
ggaacatctc tgtaaggaat ctgaatagtc ccagtagac acagtttttc caaaaaccc 17640  
tgatagtgat cattcatatc ttcaaacatc ttttctgtat atccagctac atctttacgt 17700  
agagtgaatc tcagccagca gttccgaggc cagataatag acagacacca gttcttatac 17760  
gtgccgacaa aattctcgat tcgagaaaga tcagcagatt cacagaaacg acacaattcg 17820  
gcaagagcgt tctcgttcgg aatctcacct gagacctcct tcgcctcgag gtccatcttg 17880  
aaaactccga ataacactag aagtgaacaa atgaaatata tgaaatataa gacctcgatg 17940  
cgagacgccg tcacatgaca ggaaattgga aaaaagagag tgggtgtgaca aactttatta 18000  
aatttcaacc ccggttttga ctcacacgct ttctctcgca tgtacagaaa aatccgttcc 18060  
accaacgatt tctgcgaaat gttggacaac aaacaccttc atttctcgg aattatgaaa 18120  
atcttcctta catacatcag aagcaaaagt atataaacac tcgcattccg aaagttttat 18180  
gcattgcgat ttgacatagc tgcaatccgc attcaaacct tgcaccccggt actttaagca 18240  
ggagacctcc atcgttccgg cttctgtatt gcactcctcg gatttcgatt tagaaaacag 18300  
ctgtacgact gtcttccata actttctaac agccatcggc agatccactt cagaaaaaac 18360  
gaactcgaag cgccactaaa aacagatgga aatagtcaca tacaagacgg cttcagcgag 18420  
atctccgacc gtcacctggt catcgggatt cggacgagct atagcctcaa ttcaaaaaag 18480  
gcatcaagaa aatatcagga aaccctacg cttctacagc ggtctcctac actgccttat 18540  
aaaacagtat gagcattgcc tcgtcccgcc aaataaatca atacgtttcg acaaagggaa 18600  
gattgaagtc gcggccctaa ttctagatct cggacaccag gtacttggtc gtcagataca 18660  
cgtccgacaa cgtatctaca gctggactag catcacactc cctaaactct ttactcccag 18720

agaactttac ttttagttg cctctccaga agacgaagac atcgtaattta atccaactat 18780  
 aacaaaggga gggtaggatct cgggaagttt ttcgtatccc gttgaatata gatcaaactt 18840  
 ttcgctaacc ggaatgtcgg ctaacgtatt aatgggtgccg ttcgttccgt atagataccc 18900  
 actaaactat gtcgcttca tatcgtcaat agatctgatg atactaaacg aacaatttcc 18960  
 ggaacacgaa tgcggagaca tacagatttt aaagcagcga aactacctct acctgggagt 19020  
 catcaaaaat cttacatgga aaaaaagcgt caccggcaca ggtcagacag ctccacatag 19080  
 aatcctaaaa gcttcgttca taggaagttg gccggacacc tccctgcctg acagagtagc 19140  
 actgcgtttc ttttaataaca ctaggtttac gatacactgc cagcagttcg caattaatat 19200  
 tgaaaatctc ggtctcgtca aaaataaaga gaaagtcttt gggacactag ccaccgtatg 19260  
 ctgcgagcaa atcccttctc tactaacgac tgaaaatcta ccgagatatt taatagttca 19320  
 gtttgaagta gtaacgcaaa tcgaagatcc cgaaccctg ttattttcca gtaaccgaa 19380  
 actatatttt acaggagacg tactaaacgc aacgatgcaa ctacagcaca acccaaatta 19440  
 ttacgatcta ctgtacacg cgccatacga catccatttc tatccaagcc gatgtcacat 19500  
 agtaattcta cctatccgat atttcacgag gggtagacaag caaatcctca tatccggcta 19560  
 tcagaacgaa ggtttcttcg aaaccaggt gatgctgtgg gctcctggaa caccgttgca 19620  
 tattacgtg cgttcattct ctccaaatct gatcctgccc caaagcacac ctatcgcaac 19680  
 cctgttttat gtagaaagaa tgacaagcca gaacactgaa caaaaagacg taatcgcaaa 19740  
 gctgtctgag aatggacatt ttattggcaa cctgaagctc ccagagaaa attttttaca 19800  
 tcacgacgag atcactgact tgtctttggc agctataccc aaggactcag cgactcccg 19860  
 ccagggacg gtttcttcat cagtttcccc gtcttgacgt atcctcagaa ccatcttttc 19920  
 aattacatcg tctttttctt caggtgtctc aaccttcatt aattgcgtgg gaataagagt 19980  
 ttcactctga ccgactttga aatctgaggt ttctctctca cctgccttca ctttttgaag 20040  
 agcgagatct atttccggtt ctccgttacc cgggagcttc acgtccagcg catccttaaa 20100  
 tgacacagaa tctaaatcgc gagacagatc agcatttggc agcctaaacg gggactgcac 20160  
 agaatcgaga tcgttttgca acttaaaatt tttaaacaga ttttgaggat cactaacttc 20220

aagaattctt tctacgttag ctctctccga ttccggtccc aacttgtttt ctgtaggcaa 20280  
cttaagctcg gtcccagact gattgtgcaa aatgtcttga atgcccttct cgcctaaact 20340  
aatcagattt gtaaattcgg ctagaatctt gttaactcgc tgcccaagac ccgcttgaac 20400  
atactgttcc tctccggcat ttctagcagc ttccattaaa ttaggtaatg gctcttgctc 20460  
gttttgcgtc atttctttat cgacattaaa ctttctgag gtttcctttt tttctgcatt 20520  
gccgccagaa tacaagtccc tgctatttcc tttccccctt cttgatacgt cagcagcata 20580  
tttcttattt aaccggcaa aaatatcatt cgcgtgctta gtttttctca aacttgggga 20640  
atccccgagca gtcacagttt cagtcgcata gccagagtct ccggtcactt cgcgtgagtg 20700  
tactatagcc ttatcatttt tttccttagt ccagcttcca agcagatcta acttcttctg 20760  
tttcctaaaa ccgtctttgt cctcaaatc tttaatgaga gaaacgttat ggggcgacac 20820  
tccggtctca gtactgtgcg tcgtaagttt cgcctctgat ccagccacat cggaattatt 20880  
caacacgaag ggtgtccctg tctgctcaga aaccaaacga tgcaccgat cgaaaacatc 20940  
tgcattcgcc gctgtgtttt tactccacgg ccgtgaaaca tccgatttat tctgacgcag 21000  
attgagatta gcgagaccat ttaccacatc agtaataccg ctactgggac ttctgatcga 21060  
agttttatcc tgtagtaaat ccacgtctcc cgtattagat tgcgcctcag ctggaagttt 21120  
aacaccaaaa tctaaaatcc ccgaagggcc aattctataa ttaccgtgcg acttatctcg 21180  
cagatccaga ttggtagaag tcaaagacga caacggctca actccggaca ttaaagagac 21240  
agacgaaaca ggcgttgtcg ctctaacgtc tctacccccg agtgtttctt tctttatcaa 21300  
aatttttccc ccggcattat cgacgtatc cgactctgga aatttatgtc gcctctgcgt 21360  
ttttaagggc gcgtccaaac ttttgggttg acttattttc agacgagcca aatccgcaga 21420  
tggtctcttt gtatctatag atatactagg taaactcaaa tctgaaggca tgcggccgctc 21480  
taaagaggcg aaatccatta aagagtgagg ccattctca ggcaccgaaa atgctttcga 21540  
cgcgctgtat gattccagac tacttttgat aatctcataa tcaactggtga ttattttcaa 21600  
aaaactctct actctctgac cagttagagg ggtctgcaaa accctctgag aatacacagc 21660  
attaaaaatc tcgttcttcc tcaaatgacc cgagagatga ttttgcgtgg ttacaatttg 21720

agacatagca acccttttcta gctttgacca ggactggttt aacgttacaa ataacttacc 21780  
 aagataaact aattttattaa tactcgtcac taagtaaccg ttttcgtccc aggggtcatt 21840  
 tatgttatag acgggtgtacc agagcatggt tttttcagcg tcttgcaaatt tattttctat 21900  
 ctgctgtctg tctttctgcag taagattttac ataaggagta tcgatcggaa cattgttacc 21960  
 ccaccttaata gaatttccta aacgcagtaa agcgcgatga atatcactga attgcgattc 22020  
 aaacttttct ttgttcgtga acatattttc aaaatttcct ttattcagac ctttggattt 22080  
 taagtactcg tttacgacat tctggagttt cgtgatgtct tgccatatag cattataatc 22140  
 cggcttccgt ttagataaca cgtagtgata cataagccat aaaataaatg tgttatacag 22200  
 tgtttttaac tcgtctacat cttctccctc tctcagaca caagaattag tcacataggg 22260  
 atgttctcgt aaatctacat tctccagatt ttccaaattg ctaagaaaat ttgtaagacg 22320  
 ctgaactttg tctcgatcta gccacgcaaa cgggatcgac tgcgctttca aatccatctt 22380  
 ttagaaaaaca aactcaaaaa caaaactgct cgtcttcgcc aagactcaat gtttaatagt 22440  
 ccttttttta cccacacaga aagctgacaa gcgacgagat ggacactgtc attgagctgt 22500  
 ccaaactcct ggtaagtctc cagagatcat tgttaccgaa tattttattg tagcgtacca 22560  
 tgacaataac aticaatatc tttaatagca cgatgaagag ttcaaagaca acgcttcctg 22620  
 tacctcgacc cccacgctaa agacagcacg aatcattgag agcgcagtta ccggaatcac 22680  
 gctcactgca tccgtaccca tgatcattat agtgattacc accatgattc tctatcacag 22740  
 agtcgcaaaa cataacgcta cttcatttta cgtcatcaca ctctttgcta gcgattttgt 22800  
 gtcattgtgg tgtgtctttt ttatgacagt gaacagagag cagctgttct catttaaccg 22860  
 tttcttctgc cagttagttt acttcatcta tcatgcagtc tgttcatata gcataagcat 22920  
 gctagctata atcgcaacaa ttaggtacaa aactttgcac cggcgtaagc agaccgaaag 22980  
 taaaacatat agcacggggc gaaacatagg aattctccta ctagcttcct caatgtgcgc 23040  
 gattcccacc gctctctttg tgcagattaa cggagcaaaa aaaacgacgg gaaaatgcgt 23100  
 cgtttatcta tcctctccga aagcttacga actgtttcta gcggtgaaaa ttgttttcag 23160  
 cttcatttgg ggagtcctcc caaccatggt gttcagcttc ttctacttta tcttttgcaa 23220

agctttgcac ggcgtcacca agaaaaaaca caaaaagact ctatTTTTTTa ttagtatacct 23280  
 tctcctgtca tttttactca tacagatccc ctatatagct atccttatat ctgaaatcgc 23340  
 atttctctac atgccacaga acacctgctt ttggttagcc cgtgcagaga tattgcagtt 23400  
 aatcattcga ttaatgccac aggtacattg tttctctaata cgttagtct acgcattcac 23460  
 tggaggcgaa ctaagaaacc gatttaccac ctgtttccaa tgtccatttt ttcccaaaag 23520  
 actatgtagt acacagaatc gcaaacagtc agacgtctcc gaacatgatc agaactcgcc 23580  
 atcagaatcg tcagtggatg aaaacgaacc cccttaaaca cgttttccaa cttataaat 23640  
 gtacccaca taaaatcacg tgctagctct gttttctttg ttttgtcttc catagagcat 23700  
 ggcgcacgct aaaaagcggg cacgacgaaa acttttaact tcgacggacg atcccatatt 23760  
 gtccagcact tttaccatgc gcccgacaag taagattgca gacgtgaaa tcatttcaag 23820  
 agaacatgat tatatcgcaa gcaaaacaca ggcggttca aaaaaaaaaat tatcgtcct 23880  
 gtctgtgatt tttgacaaaa ctgtcctgtt tgaattttac ggtataggag acaacaacga 23940  
 aaaagctatc gtctacceta tcgatccaga tttcttatta tgtgattcgg aaaataattg 24000  
 caccctatca cttttcttat aaaatTTTTT tctcctgatc tcacgtcaca gttttttttt 24060  
 tcatatgtct cgcgttgata catcccgtat gaaatattta aggtggttga aatcacacca 24120  
 atgatcacac acgcgatgga agggtcgaag acattcaaca ttcccacttt cgtcttagac 24180  
 gaaaattgta acttcatacc cgatgttctc tcacgcgcca acgctaaatt tatcaaagag 24240  
 gtactcatcc gagactccta caatgcggtt tgtcttgcaa acagctttat tcccatggcg 24300  
 actcaaaccg tagagcaaat tctgattatt atcacaaagt ttaagttctc acgttcacga 24360  
 gatctgctca tgtcagtatt tcgctcgge gtacatataa acagatttta tgccggaaaa 24420  
 aatcaagtca aacatatgat cacaatgatg aaaagtcttt tcgataccga agaagccatg 24480  
 cgacaactcg acagagctct tatggggctg tttgtcgatg ctcgtgataa ttcatatatg 24540  
 cctctcatag cattgtccct gcacgaaaac ggcttaccgg attctaaatt cataaaagcc 24600  
 gtcagattaa tacaacaac cgtaaaactc tttcataatc gaccggacgc agatatcgaa 24660  
 cagtatgcag aaaaattacg agcatacaat tacctctata aaatacccaa gtatactctg 24720

aaagaagctg	tcgacattta	ttccgataat	cttaaagatc	tcactattgg	agttaataaa	24780
aagcccacct	tactgtttac	gtcttcagat	gacgcatatt	tatctcacat	ttacaacgac	24840
ttactatttt	taacttctac	ttggaatatg	atttataatt	gcaaaaaaga	gataaggcgt	24900
ttgaatactt	ggatcaaata	cgaaatcaac	tccataatgg	aaactgctgt	attggtagga	24960
ttccaacttc	cagatctgaa	ggaaacaatt	ctagacctag	cggcactcat	atcaaatatg	25020
aatctcgtea	gccccgataa	agaacttttc	cctcactaca	aactcatatt	agcaaaattg	25080
tttgaaatct	gtatttttgc	aactaaggca	aacatttgca	ttttaccatc	cttcataaag	25140
gttcacctaa	tagagtcca	ggatgtctta	aaaagaagca	atgatgacga	agacctcaac	25200
tatctgcttc	tgaaatctcg	agattctgat	gacgaatacg	atgaagacaa	acccccataa	25260
caagtcgatc	caggcagagt	agacaacgtg	cttacagatt	ctgacttttt	taacgtaacc	25320
ccggaaaatg	ctttctcttc	tatagcgatc	atgccaatth	cttatgataa	gacgatagat	25380
gtggaagaca	atgaaattca	agtcctagag	gttgagatgc	agagcctctc	agcagttgtc	25440
tacggagccg	ttgcaagcaa	atacggttta	agcctggagc	aagttatcag	aaagttaaat	25500
caaaatgaag	gacggacctc	ttctcgtgca	tccccagcc	acagtacttc	taccgtccca	25560
tactcccccc	cgcaaaggca	tcgctccact	ccaacttcta	ttctaagaca	aagagtacca	25620
atacgttcca	acagcagatc	atcatcggtt	tctttctcac	aggaagacag	caatcgtagt	25680
cattactctg	acgaaacaaa	tattagtgat	tattcatatc	ccatggcaga	tctagaatta	25740
gaagacgaag	aacccatgga	ggaccatccg	cactcccctc	aatcaacatc	atctaacaac	25800
tccatgtctc	gtcaaagccg	agctctacaa	aacggacaaa	gaagacgtgc	tcccacaatg	25860
gtcccatcat	ctcagacacg	aagacaaaat	aatgcccgc	ccagacgcgt	agccaggcgc	25920
ctaacggaaa	tgatgaacga	cgcaaggtta	taatcacaaa	taattttatt	gactgtgaaa	25980
agtgctttat	ctggccaatt	cattgtacga	taataaaagt	tccattgttt	gattgatttc	26040
cgtattcttg	agcttgtaga	taatttccaa	tagaacatcc	cgcgttagat	gtaactcatc	26100
aacgtaagaa	aaaaaacgaa	tagcattctg	ttcttcatca	tcaccaagtc	taaggtgact	26160
cttctctaaa	aactaaaaaa	aaaacacacc	atcaatttta	ttcaaccaat	ctaagatagt	26220

ttgcatataa acaataaatt actgccagaa aaactatagc ctagcaagct agtgaatcaa 26280  
 atacctaatt ccaatttaatt atatcttgaa atctaccata acacgtacaa aatcaaactc 26340  
 accgcatata tcatattaag gaaaagctgt ttctcttgtc tactgggttaa catgtacaac 26400  
 aacacaatta tcttcctgta aaagaaaaac acatcaatcg gcatacagta gcttgtcatt 26460  
 ctctcttcct gtaacaaaat aaacaattta tacaatccaa ttaaagtccc ttgtctttgt 26520  
 atcgaaagaa aactattaaa gcccgttcc acgtatactt aaatcaatac ccaccttttt 26580  
 acaggaatat tgggtgaactg agctacgacg aaacagtcgt ttactttccg gatgttcaat 26640  
 ctaaaaaaatt gattaatctc ttcccatctt tttaaaataa ataacatttc aataactacg 26700  
 gatttagtaa ccgtcatact caacgtcaga gccggcaaaa taaatctata catagtagaa 26760  
 aagtccattt taaatagata tttaacgtat ataatttcgg tatttgacaa gatattcgac 26820  
 agtgacatta atacaggcaa aggacacagt tcacggcatt cttgaagccg ttgacgcttc 26880  
 cacacatcca tctcgtcac agccaaagct ctgttccgct cagctcggca gctctccgta 26940  
 ttataaaaaac agatactgaa tcacacgctt taagaattaa gaatcattgg ctgcttgccc 27000  
 atccgtagg acatctcatt cttacacat atccaatata atggtaaaaa aacaggatta 27060  
 aaaaacaaac aacgacaaat cttatcatca gctgaaattt ttattctgta tactaacatc 27120  
 caacatctcc atacatcaag ttaaatacaa ctcaaagtat gacgtatcta tctactcttc 27180  
 atcctcagat gataaatcat aaatgtaatc attcgagaat gtgggcccta gaaaagtatg 27240  
 aggacacaac ggcagaattt cttggacggt gctaattgtc tgatggaaaa acttatagcg 27300  
 acgatatccc ctaacaatcc cctgtcttaa aaaagattca aattcgtctg ctattttaac 27360  
 acatgatcca attcctgttc cgatcgtatc aataccataa attgcccccg ataaatccat 27420  
 catcacaac atcgtcttcg gatacagtaa tgtttttcca atgctcccaa taacatgccc 27480  
 gtgatacggc atgctctcgt agacatccga aaagaaattc cattccatcc tactaggaaa 27540  
 atcttctttc ctagtaagaa ataaaacaaa aactccgtcg ttattttcca aacaagactt 27600  
 cataatgtaa tgctcccccac tattttttata aacgatcgta gcaaatttcc ataaattatc 27660  
 ctgcacatca atcaacgatt gaagaacatc atcaattttt gttaaaaagc gaatgtcctt 27720

ttctcgatat accggatcat aacgacgcaa tccgagaact gcaaatcggt cgcgcgtttc	27780
cgccaacaaa tacagtgtct cattcacgaa gtcgagacca tagaatcggt cgtctttctcc	27840
cacaaacacc aacgttttag ttaggcacac atcacgagtc tcctttcccc aggcagaaac	27900
atatccaagt agttgcaatc tctctgggca gcaaagcaat aacgaacctt gtttaaaagg	27960
aaaaataact ttatttttcac aacaaaaaac gagaaagaca cattacaaaa ctgacacgaa	28020
acactgatac ttacacattt cttgcaactc tgcggcagac tttgtgggaa atggaatttt	28080
acacagtgtc gaaatcacca agcaccgact tttcggccaa ttaaactgta tagttaagcc	28140
ggtctttctgt tcaacgtatg tcgataaaga atcacgaaaa actgcaattt ttatatcggt	28200
taaattcatt agtgcaatgt cataacgagt tttacatag tcgccgattc gttcgtctgc	28260
catctctacg ttatgaaacc gtcaactacc cttttggacc caaaactaca aataaaccag	28320
ctcgcatttc ttatccatct tttatagcac acagagataa aaaactcaac ttaatcaact	28380
accatccaaa aacaaggaac gtcatagtgt tggactaaaa ttaccatttc gttcgcccat	28440
agaaaatcaa cagagactac cggacaattc cctacgttaa taatatccat ctttgtgtat	28500
gtaaaataat acaatgtaaa caataatgat tcaacaatga ccttggtttc ttctcataca	28560
actgatttcc cgtaaaggaa acgaatgata aaaaatcaca gtcgcggaaa attcaaatac	28620
tcgtcatatg agaaattccc taaaatctta tatataagaa agccacaaac cctcacaacc	28680
tcatagacac caaactttct gaagagcaaa aagagtagca aatcacggcc accattacaa	28740
ctatgttcgc cttcaacatc aacattttct tcatctatc taccggaaga aacaatccag	28800
agattatctc tcaagataaa cagatccata agcggcagcc atcgaatgat actgacattg	28860
aagtggtaag aaatatcaaa aaacgcggat acaaattttt accgatagaa acgcgatatt	28920
tatttaagca ctgttcaatc ctttccacag gcagacttct taccgaaaa ctacagtagt	28980
cgaatccgta attcccaccg acaaaacaaa acggtaaaca cttttatcgt tttgttatac	29040
actaatacc aggagagctc agattttgac tgatctgcac attacgaata cccagaata	29100
tttacacctg tttgcgattt ttttataggt ctactgctc cacattctaa cgacactggg	29160
aatgaacgtt atccgtgctt ctctatcaaa tacgcattga cgcagatgag taagtttttt	29220

cactaatcca ttttaaatcc gacagaaaaa cacaccattg actatatgta attaatatatt 29280  
 ttttatttcc gcagatatga tttaatccga cgaccactac atgttttact gtccacgac 29340  
 accttttcct taatgcaaat agcactcacg gcactttata gaaaatgtct cacgatagtg 29400  
 cacaccaatt ttctgaatgt tttcatgtaa ttttaataaac atttatttgt atcctaaatc 29460  
 tttcacaaca tgtttccgcg taatcattga taaacagcat agcaataaca gcatcgtaaa 29520  
 tgcacccccca gccaaaaaga acaaccacg agccgacatt gaatgcgtaa tttcagacac 29580  
 attctcgtaa tcccttgaaa aatccaacaa cgcttcaatc tccttgtatt tataccaatt 29640  
 agtccatgca gacttccatg tatttcttaa gaatttttc ggcatcgat catttttaat 29700  
 taatgaaaaa tatttcgaat gcacaacctt tttcttgtaa atttcatccg acaattgagg 29760  
 acagatcatg ctccaggaaat agctatccag agacactctc tcatttaaaa tgttcaaagt 29820  
 gccattggca tctggcccg tcttctgcca ttgactcgca ttcatttcag tgctggactt 29880  
 gagaacaatc cgttccgttc cataaaatag agtcatcaca cctcctgcgc tatgaccttc 29940  
 tagccagcaa tttacagtac tcgatagctg agcggcattt ggaagccttt tagcgatcaa 30000  
 agctctgagc atcactcctc taaaataata attaataatc acacgtagaa aagccgtttt 30060  
 ttcagagata gatgtgatat ttccaacttt catggcttta aagccatctg ttagcatcgc 30120  
 aaggttgatc agatatgaag ttctgacaga aacacagctg gaattcccag ctaacactcc 30180  
 attcacataa caagtagaga tgcatatagc tccaagtttc tgttctgaa ttaaaactat 30240  
 tttttgctcg catgtgagat tcgatgtaaa gcagactccc attacaaagg tataaactaa 30300  
 caaggactcc atagttaact tcttcatgat atttagaatt cacagatcgt ttgcaatttc 30360  
 ttccaaaaaa tctgccgcat ctctgtggaa tacaatagaa acaaatttga aactttataa 30420  
 aagaacaaac ccatttaaga cgcggaaca caattcagtc atctataatc cacatcactt 30480  
 tcgtgcactc ttgtaccagc acttgccaca tgcatcaagt aaaaacatcc accatcccta 30540  
 aaactaccct ttgcgcgcac gctctcccca tccgtgaaat aattaaaaaa cctacctcag 30600  
 cacagctgcc gattcatgaa cagcattttc tgggctctta agccaatgaa tgttcggttt 30660  
 gcattccgat ggagtagcaa tgatacaata accttttaaa ggtttttctt gcgcaaaga 30720

cgcaccaccc tgaacatggt tacaacctac atcatcggtt gccatagcac cgaccactgt 30780  
 tgtatcgtag accgagtcga ttcgaggatc agagacatca aaggtatatt ttgcgggtgc 30840  
 ttggacttcc gtttccaaaa ttgactgatg aaccaaattt ccaccgagaa acagagtttc 30900  
 tgaagaatta tccaccacgt cttcagtttg agtggcagcg tcacacatcg cctcagaccg 30960  
 atctgtctgt gtagcctcg ataacataat ttttatacca ggagtttttg taagtccata 31020  
 gattgtgcaa tggcgagcgg agttgtcttc ttgacacgat aaagccatac acaccgtccc 31080  
 cccaacatct tttttcgag atggctgcaa caattcttcc gtcggccaac aaaatggacc 31140  
 cttagcaccg aaagagtcag actgaattgg tctcatggaa gcacgagcat cttcttccac 31200  
 gcaagcacca ctctctacct tctgaaaccg tctagtaat acacctgtca aagaaattgg 31260  
 ggtatgtctc attctcgtaa aatatttttg aaattgatca ctgtattcat cgcgggactt 31320  
 ctgtgcaata aaattactca agatcgcggt ctgacacgag aactccatgg cagttgtcca 31380  
 gaaatctgaa aacgtaggtg acaaataaaa tatcacacca tcttcatatc caagcacttg 31440  
 accagttgac gataacaaaa aaacaacttg tctctccgga gccgcagatg caccttccca 31500  
 ttctccggtt acaccaaaca tactcatcct accctcaaaa ggatacaacc cgtttattaa 31560  
 taaacatctc aactgacggt cagatagaat atcggaattg tcacagatcc gaactttgat 31620  
 acaagtgata tggtgaagaa caattccgga agccatagct tcctgtacaa ctttctcaaa 31680  
 tctcagagcg gaccccgccg aagaaatcat cttatcttta aactgcaaca tgcgcgccag 31740  
 ttcatcaccg gtgaatgcca ttacgatgtt ttttctcggt aatgattaag ataatcggcc 31800  
 atccaaatat gtaagaactg cacaatctta gttaaattta tacgaaaaaa tactgcaact 31860  
 ccggaaatgg gtgtggcata atctctaaaa gcaccttaag aaaaaaaaca gacactgtta 31920  
 aaaaaaaaaa ccaatttatt taaaaaatct ctgttcaaat cacctcacag tcatggaaac 31980  
 attttcaaaa ggcaacattt ctaacttgac attgctaaaa ctttcgtgag attttattga 32040  
 ctgtcgttct atatcaaagc aattatttcc gcagacaact gctattgaat catcacggac 32100  
 gttttgaacg ctatgaagtt ccatgtcgtg attttcagct tcgtagttgc agtattctac 32160  
 ttccataatc accataggca cttcatcatt cctctacgc ctttttagca cctattttgg 32220

attcgatgaa gatcccccag aaacaaaaaa ctgaatatac cgcgttaaaa tatatagaaa 32280  
 catacaccca gcagcaattg gaattacaat gaaaatccaç aacagctgca atttattaaa 32340  
 tttttttctg tgcggcgctg gaaaattatg acgaggaaac gtgtcctcgg attccttcac 32400  
 gggattcaca aaacctttga aactaaaagc atcctctctt gttaagagag ctggggtaac 32460  
 taataattta tgcgtaattt cacatgaaaa ctcatgatgt gtcatgctca aagctctact 32520  
 caatgctctt tcataagagt atagaagttg accggaaatt tcggttctaa tgaaatcgtc 32580  
 agtcgtatga tcctctgaaa ctgtttgatt gtgaagactc cattgaatgt tcgttccaat 32640  
 gggccgatat cgtcgagctg tacagacgag caaacctgta tctctcttgc tgaaaacttg 32700  
 cggaggacga tatttagagt ctccgaaaac aaccttacca tagaaattta agatgtcttc 32760  
 tacacaaaaa cgtcttgcac aaaacgacaa tacgtgcaaa gaacgatttt gtaaaaaact 32820  
 gctcacattt ataagatcgt gaacaaaact acgattctca ttaaacagat ctatctgtac 32880  
 ataggttgta tttctcgcta aaaaaacgta gctgccagac aactgcgtat tattgttgac 32940  
 gaagcaaacc aattcgctta cagaaaaatt ttgaactgag acatactgaa gcccgagctg 33000  
 caatctatga aattcacgta ttaccacatg tcttaaaaaa cggctctacgg tagaattttt 33060  
 tccttcttcc aggcttcccg cgagggtcaaa caacgtctct ccaacagccg tatggttccg 33120  
 caaagtcaaa tctccataaa gcctctcgta agcaaaaacg atatcgttat caatgccgat 33180  
 aacggctctga agtttacga ttcttccagc cagagtagtc ttgatgtaaa gtttagccgg 33240  
 caacgaagaa acgcattgaa ataaacatgc gacaaaaaca gttatcattt ttaaattctt 33300  
 aattcacgtc gaagaaaggt acggcccttg aagaaacagt taaccgccgt agtcaataac 33360  
 ttattacaaa aaggccacat ggaattaaca ctaacaaata taaagtatat tatctccttc 33420  
 agtcctacaa aacaggaaat acccagaata cccacacaaa ccgccaccgc acccatgaac 33480  
 ataaggttca ccatgataga tgttatctct gcgaatgcta acatagtcga accttcgtta 33540  
 taaatctgaa tagacttttc gacattcttc tccggaagcg taacgataac attatcgcca 33600  
 ctctccttat tcgtgcacat gcagaaatat ttatccccta cccacttata caatgaaata 33660  
 agtccccacg tcacatcctc gcgaaacaaa gacgtatatg caccggacga tctcatcttt 33720

accgttttcc ataccatata aaacgtcage ggctcctccg caaagatctc gatctttccc 33780  
 agcttgctaa caccccaacc tgaatattca caaactgcaa attctccttc tgcgcccagc 33840  
 cacctagaga acgaacattt caaatcatca gctctgaaca atctttctga agaagatcta 33900  
 ataaccggca taaaatttag ttttaactcc tcgtcgttaag acagagccat tcgtctaaat 33960  
 tcgccgtaca actcagatag gactttaacg tcgttattgc acgaagatat caagtactgt 34020  
 cgatatgtcg agagttcagt ccaaagacgt aacatcgttc tgtcttcacc ctggaaattc 34080  
 ttatctgcaa tccaagagtt attgctacca tcgaggaaaa aagcaacacg tagtacttgt 34140  
 ttcttgagat ttgtttcatt cattctactg agtcgtatcg attttttatt aacagagcat 34200  
 tggacttgaa tgctaataaa tgtcattttt ccatgaccac atttttgaac acgttttctt 34260  
 gcaagatgca tggttgcact actcacggtt ttaaacaata gtttatgtac gttatgaaaa 34320  
 acctggaaac atcgaaaaac caaaaacttt ccaaagtcgt attcaatttg actgtcttcc 34380  
 attcctccgt aaaacacttg gttgtttacc gccgcactac cccataactc cattttaccg 34440  
 cttctccaat ttctgtatgc agatatctct aagagcatct cccagatct aaccgcttca 34500  
 ccgttccttg cgccaagggc cggacaagtg gaaggataga tttcaccccg gacgaacgtt 34560  
 aagacgcata agaaaacaaa gcagatcatc atgctgcgtt ttccttctct tttgcgatca 34620  
 ctagcgccca ctaactccag cgatgcaatc tttaatataa gatcgccgtc ataccacagc 34680  
 gtcgaggggt tacgcccaca tattaaacaa aggatccaaa gcaaaccagc aagaacaaaa 34740  
 aaccacaaca gcaaaaaggt aaaccgagat gcagtaataa acaaagcgct catagcgggg 34800  
 taaaaagcgt cttctttctt ttcggcagaa tgctacagaa atgaagcaat cacctctctc 34860  
 tgtagttttc ctagcgtaat ccactacata cgtttttagtt ctaattgact ccatcaccga 34920  
 ttgatttagt aattgtaact gcacaccgct cggaaggaa acattacacg tagtatcatt 34980  
 gtccacaaac acaacaccaa tttttttatt gtatcgacat aatatcttag accccatggc 35040  
 agtctcgata acgcatcgag ggttaaataa aaaggctata tctctttcga aataagcatt 35100  
 aataggcaca ctagccatcc gccaccaagc agttccactt ctctgagcca tttttacaaa 35160  
 aatcaaccaa tgtcttaact ccgtttcact atgtgttccg ataaaaactg aattttcatt 35220

gtttaataata tgcaaagacg ctatcaccca caggtataat acactcaccc atgctaaact 35280  
 ccaaccctga ggcaccataa tcaactagtaa caatctatgg gagcctcatc tgcaagtctt 35340  
 tgcatccctc ctgatttgca catccggttt attctcttca tcccaaagca aagacctctg 35400  
 cttgtctttc ttataccaat tatacaaaaat aactatcaca attatgaatg ccccgacaaa 35460  
 actaatcccg caaatccaaa ttactaacga gcttagaaaa tctttaaaat actcttcatc 35520  
 tccctcattt gtatctgtta actcaggacgac ttgaacagta tcagtttccc aaagagcatg 35580  
 aaccgtcttt tttgggtgtg atttcgtcgg caaaccctga ggcgtctttt cagacacatc 35640  
 ggaaagtgtc gacgctaaga ttactgtgaa aaacgtctca atatcctgcg cctcatcacc 35700  
 cttgaccgtt ggaaacgaac ttgttgtaac atttacatta ttgccactgg atcgatttgt 35760  
 ggttccccacg gctagcgtag aggtcaccat agaagactgg tttaaataatg ccacagaagc 35820  
 tattgatatt tcggtaacat tttacccca cgtttcggga ttcgccgaaa acgtagtctt 35880  
 agatttccca gttaaatagt cgctggatgt cgatacattc gtttccatat ttttagacgc 35940  
 aattgaggca aattcagttg ccgaaacttc tgtagtcgtt aggttgagca tttgcacctc 36000  
 ttcacagaga cacacgagta aaaaagacaa gaacaacatg tttttgcgat taccgaagtg 36060  
 caacgggtttt ttaatcacac ccacaccaag atagcagaat gaaaacaatc ttttagaaca 36120  
 atgttccgca ttagttttta taatacaact cgacgaattc aaattaaaaa cacaatgcc 36180  
 gatcataaga aaacacgatt ttgcattaaa ttcagacttc ctcatatt cagatttgtc 36240  
 atgttagttt aatagtcgat gcctgctatt ctttttaaac aatagagatt tttcaacgtt 36300  
 catgtttccg ttccacatcg ggtcagcaaa tgcttctaag acaggtaatt ctttttttc 36360  
 gacgattcac attgaaaacg taaataacaa aagcaataaa caaatcatt gcgatacgca 36420  
 agcccgtcaa aactaaaaaa gcaaacgtct ttcgtctctt gttccacaaa ttccacgtg 36480  
 agcgagatga ctgcggaggc ggtaagcatt caacaaacga tgtatcattg ctacgctgcg 36540  
 gagaaacctg tccgtacatg acgtccatca tcagcacctc tgaataggac ggcggcggcg 36600  
 tccgagggcg atccatcctc ttcccgacga agattcacgt tgaaatacac ggcgaggaca 36660  
 aaatttctcc aaacggactt aaattactaa gataatcgga gtagacgaga aatgcgagca 36720

caaatgcgac tacgagagtg tatgttcctt cccagagtgc ctcggcactt ctaggaatgg 36780  
 ggaatagagt tttgcttata agcaacatgg taaaacaata caacctaccc tctttcaata 36840  
 caattaattc cccgactag agacgtacat atctttaata atcctcgatc ccggcgcgac 36900  
 ctctgacagt gctcacggag aggacagagg acgtctctag aaaacatctc atccacctgc 36960  
 ttaatatagt ccgtatcttg cgtaaaccat tgcgtatgca accgacgatt ctcattataa 37020  
 cgcagacatc caatttttaa aaaatctgac atattgcgag ctataaagag aaggctctcc 37080  
 tcgcggtcga cgcaaaaaag cataccgtgg ccgtcaaaca ctactacgag ctccctccag 37140  
 tcaccgaaaa aattatgctg tacaataaac actacatcta gtagactcgt ctgcagtttc 37200  
 ctccgccact gaatcaaatg tttactagaa aaccagtcg tgctcagatt gcaaaagcga 37260  
 acaaaggtct tgtacggata cgttttcaag gtaaaaaaag cattctttct ttcatttcgg 37320  
 taatgtaaga gctcagaaaa cgatttactg tgagcaatca tatccagtgc cacagtactg 37380  
 tccagtgcac aatcacacgt ctcataaatc ggataaaaaa accgcaaacc attagaaaac 37440  
 aaatcgtgaa aagaagaagc cagtgataa agacttctgt caaaaaaacc attatacaca 37500  
 tagatgtgtc cccgcgcccc ctgaaggaca atcgggtccc tgcaggttct ggtttttgcc 37560  
 ttatgtataa ccccgaccac aaccaattcg ccttcgcaac acatataggt cttcgcccag 37620  
 ttttgaacat cttcacgtga aatatccgga atgttttcta cactatgtag agtcaaccga 37680  
 taatcctcgg gccagggcaa agctaaagtg gcgccctggc gattttcgat aaaatttacc 37740  
 aacaaatcga tgtctttgct tgaagacaaa ccataacga tgaactgcc ggctcagagc 37800  
 aaataaacac aaatttgaaa aacattaata ctgcaaaaaa ttttattggt gtccaccaaa 37860  
 acaagcacga taaattgtct aatcacacac caaaatacat gcaacacacg actaaacaaa 37920  
 aaaagccgtt caataaatca cccgcataaa aagatctgtc tttcagatcg ctgctcaaag 37980  
 tcaacataat cgaactaaac ccgagacctt aaaaggcttc aaagataatt cgatataggc 38040  
 agacgttcac catcagtcac gacaagatcg ccaccattgc gcacgcagca gctttgaaaa 38100  
 catttagttt aaaaaacacg ttgttgacca ccgtcagaaa aaaaagatga ttagattttg 38160  
 gcataactca gaagattttt ccgatccaga gtatcgtaaa taataacaaa aattcgaccg 38220

taaactttac aaggtatttc aaatcaactt cacgaaacga cgttgacttc aaaatcggac 38280  
 gatatttttg caaactaata agaaatccag atgatcgtat catccatcca tatctcagag 38340  
 taaacggcag gagaaacgca gtcgtcgtca agacagaata atcatcgaac atttgactct 38400  
 taaaaaataa agacaccatc atccccgtaa acacagcggg ggaataagac ggcataatca 38460  
 ggacacaacg acttaaaaatc attctcaacc tcatctcgga aaaaatcaag cagatcatga 38520  
 ccactgcaga caagaatgat ggcagtttcg ccgccattaa agacagaaac acaatcttga 38580  
 aatcacctat ggggtttataa aagcgtggat caaatTTTTT aaaagtcaac aaaaaggaaa 38640  
 tcgcaacggt tatcacaacg cctatctgtt cgagggagga cctccccctct gtcattctaa 38700  
 acggatacag ccctggaata acggcaccct tagcaagacc gagaataaaa ctatctgtca 38760  
 gacgacgat ctctgtctct taggattgga gctgtattca aaatgcatgg aatcgtcgt 38820  
 ctgctatct tctttctcat taaataagct agagcccgca gtcccgTTTT tagtggaac 38880  
 catgtagttg gttattttat attgcgtttc ctgttttgat gccaacgcac ttccgtcttc 38940  
 gttcttatga ttctatccc cttttccgtc atcttgTTTA cccattcggt caaagcgaga 39000  
 ttctcttta agctgctcct gagttaaaaa tgcttcacc gtcaacaacg tgcttttgga 39060  
 agttaagatc aatttacagt ctttagcggc taccgtacgt aaactacacg acgtcttgat 39120  
 tacagcacac atacttaaag cctgctgtaa atttttggca gataaattaa atcgcattgt 39180  
 cttaacatcg taaaatataa cttattgct gtttgaaaac tccagttcat tcattctgt 39240  
 cacgaatttt atagtcgggg ggttaacctg tactataatg tgcgccatga aagtgtcaga 39300  
 ttaccagag cgtttagttt tagttacggg cgaaagccat tttaacacct cggaacggt 39360  
 cgaatgatca aggtcaatcc tcaacggcga tttcccgctg tctgcacca cttcttgccc 39420  
 atgcacacag ggaaccgacg cctgtgtaca tgtatcgga gccgtcacca aaaccctcgt 39480  
 atacaaatca ctatcatgct gaatgtacat cttcgtaacc tcaggattcg agatgatgtt 39540  
 cataaaactt tcaaagagtg gaatatgatt attaatgggt ttcgttaaaa agtgctccgt 39600  
 atctgataaa aacaaacatt ccgcctgaat ggtcagcttt tgcacgagat gatttttagc 39660  
 agactgaatt attatcgaag gctgcggagt gaaagtcact gtagtattct cttttaacag 39720

ttttgtaaac gctttaagcg gtttattaat agttttccag cttttcatat gaaaagctag 39780  
 ggtcggcggg tctctcagtt ctctatgttc ccgatgatca cggatgatcac gatgatgac 39840  
 tcgactaccg cgctccatct ctgtcaagaa cgaagtccta gcaccaactc gcgccttctg 39900  
 tgctttaaaa aacaaatgaa atgaccaaca cattatatac tgtatTTTTT tggcgccaac 39960  
 attttattac atcattataa aatgttcttt acgtgcataa ccacaccatc cgagcatttc 40020  
 ccgatcaacg gtaacggatt tgataaatca aggtgtttat acatctcaga actacacaaa 40080  
 acctatata tagcgacttt gaatccagtt ttatacagca acggtagcaa gtgtttcaaa 40140  
 ctcacagtat cgttgaaata aaatacattt gcctgcccct gatccaaaaa aggcaaccca 40200  
 ctcttatata tctcaatcaa atcattcaaa ggataactaa aaccatcttt gaaaacagct 40260  
 aaatcatcca actccttgtc cgtaaataga ttctgtgtcca cgtttaaaac cctatatccc 40320  
 acagtcttca aatattgctg atgcttatta aatctgttga gcaacagatt gttatacacg 40380  
 ggaatatata acgattttaa ttctgacgaa taaaccgaag tgacatcatt taaaccgtct 40440  
 tttccaatta cgactttgat gtttgaccgc ctgagaattt tattgtcttc catcggccag 40500  
 aacgattcag aagagttgat gatatcgaat tctttctgca tggcagtacc ggcagtgaag 40560  
 tgaatattgc gaactccgtg catcagcaca tctttcctta gcgttggtcca caattcctcc 40620  
 ggaagcgtgc attcgacatt atcgaattga tcaaagtata acatccccag tgcgtatTTT 40680  
 gacctgtcaa ataaattgca tggctctgct cttttcatgc aacaatccac actcgtttga 40740  
 acacaagtat aataaatgtg ttcacacatc attcgatata atcgacaagc atctggatgt 40800  
 gcataggata acccgacggg catgaaaacg gaatgaagac ccgtaatata gatacctaga 40860  
 cttcgtccat ctacaattcc ctcaagcaga aaatctttat tctctacagc ataataaatt 40920  
 acagcattag cgaccaacac ctttttttga accaccggcc ttaattcatt aaacataaaa 40980  
 aatttacact gcaaacgcac aaaatcaatc tctcgggtta gctcatcgct tacttcgtca 41040  
 cccaagaaat gcaccacatt aagcaacatt ctcaacaag tgtaataacc gtctctgaca 41100  
 ggtaaaacat ccaaaaaatc acccccgcaa tacaaaggca catgaggaat catagaatac 41160  
 tgatatacgt tttttcgga aataagtcct attctgcccc tttttaaaca acggcaaatt 41220

ttttccacaa aactagccat agtaattttt gcatgatctg ttgtccgctc aaactccaaa 41280  
 tattttgtcg agaaagtaac ttcgtcacac tttcccagtt caaaagctat atttttatga 41340  
 aaaagagacc actgcgctct ttttagctcg tacctatcca tgaaaatccc aggaatgac 41400  
 aagcaaaatg tgacccgaga agtctcaggt agaacttgat acaagtccag ccacgttagt 41460  
 gcggacacat gccagacttc cacatagact gtcaactgaa ccgtcttata agtatcacgt 41520  
 tccaccacct gaatttgaga cagtaatatc tcaaaaatat tcttggttc ctgttgataa 41580  
 cgagtcacat tcatgcttat atttgaaccg ttaacaaag ccggaaaaag atgctcgccg 41640  
 tttactgtta taaaatccgc aagcgaatat aaacatgtat tgtaaatcgc cacgtcgaaa 41700  
 accgtactat tagccttttc cacgaggccc aaatttgtca tacaagaaaa cggtaaaacc 41760  
 catttttgag taaaaaggga aaacgccaat tcttcgaata tcacgtaagg attctctga 41820  
 tatatctccc gcagataacc atttcttaac acgatctctg tcaaagtagc acacatacga 41880  
 agatagatgc atggaatact ctcttcgaca ccgtttaaag aattggaaat ctctctaaa 41940  
 aagcgagatg caccctaaac tcccggcata tatttggttt tccaactcac acttacttta 42000  
 tagaggacgc tacgaataaa atctcgatac ttctttacaa agttcaatac atttggcata 42060  
 atcacattag ggcataataa aattaaatcg tccggacaaa agtcgtaaaa aatactcgtc 42120  
 tttagatacc atcttcttag cattcgatcc actcgtggaa cgcaatgtgt agctctcaaa 42180  
 acagagatta tggcatcccc caaacaccaa gcacttaaac ctgagtcgag ccgatccatt 42240  
 atcttagcga tgcacgaac ccgttcatac aaaacagaag cgcatgaata ttgagaataa 42300  
 caaaaacgtt tttgcgacgc ttcgtaatga caaacgcatt ttctgttgta gccaaaatct 42360  
 ttattaatac gacgtcctt tctcttcata ttcagacaga aggtcagaa gctatacga 42420  
 cacttttttc tcagaaaggt caacgaatat gttctctagc tttatcacgc gcagggtaat 42480  
 tccacgatac tgcagaaaac ccgatttaat gtctcctggt gcgcaacgac caatgcgctg 42540  
 aacgcttcca aagtaactca gcgtgggtatt gctattaatg agatagttca aaaacagaaa 42600  
 ccgtccttt tcgaaatact gtcgcaagat atcaactacc aggtcctcgt tctgaaaact 42660  
 ggtcagaact acgtagatcc catactggag ctttgataaa acctctttgt aaacatgaac 42720

cacgtaaacg tactgggtgg aatgctgccg cggttcccag tctggctcta ggaaaatctc 42780  
ttttaataacc gtaagcccggt gaatgttttc tttgttagcg tcatagacat ttccttgcac 42840  
gacgcatgac aacagacaac tgctgccgca agaaactaag ctcgtcacac caaacaaga 42900  
cactttgtct tccaggtact tacacgtgtt gatcatcgat aacacgttat caaccattga 42960  
gtttgtatac atggtagtta aagcggttct cacgcaagca gacacattga aagcgttcga 43020  
acaaaggaaa aacagaccca caaacagaat tttagggttg tccacatcag tctcaaaacg 43080  
atacatcaac attcccaaatt tttcgagctc cggagccaat aattcgcaag gcgtgaaaac 43140  
ccttgccgct atacgtaaatt tctccctgcc ggacaaaaac tgtttcagaa atttcctttc 43200  
tttttctaca acattattta aggttcccgc ctgatagat atatattttc tcttcttcac 43260  
agcttcacac gtatccacaa tggcagctcg tgcaactcgat ttagagtcca ttcttagttc 43320  
actcaaaaac agcacgtccc cagaatcatt actagccgct acggcaaaaa tcgagatttt 43380  
atccctggca gccgatagcg taacacacaa cagagtaata gcttttatta atcgactgcc 43440  
cccgaaaaaa tatcactttg accttatcag ggaatataca gttttctact ttttaaactc 43500  
tacgacctta acatcagaaa ataaattgct ctccgcagaa cttttacacg aagaactcag 43560  
tcaaattcgc tcttcgagtt cgccgggcac agaacttgaa aacttaaata atgcagaggt 43620  
cctttacgtg ttgatcgaa tactcaattc cattaaaatg ctaaaaaatg agttatcgtc 43680  
tccaatcggc aaacttcgag tacaaccgc cgccaacgac ccaggtaccg ataaaacgat 43740  
aaaatactcc aagattcaat ccatcataca aaaggtacac agctttacac gagaaaattc 43800  
acttcttgcc aactgccgcg ccgtcgtaga actgatagac gatctatata ggaaacttta 43860  
ctcatggttt ctacatatc tcaacttcga ggacattcag tttccaggcg acacattttc 43920  
agacaggctg ttgaaaatgg actactgttt tacatattac ctttcttcaa atcgccatct 43980  
aatagatctt ttcgaaaaga cgttggacaa tcaaacatcc acagacatcg ataaattttt 44040  
tgacacttca ggaaacagtc cagaactact ttatcaaaaa acgttttagct tgaaaatatt 44100  
ttcaaaaaat ctacagccc aggacaatgg attatatata tatccactac ttaaaaccga 44160  
cctgtccatc ctgcacttcc tcggaaccga aaatattctc ttccatcgag gtctcatcta 44220

tcacatactt catcaaaaaa caatccctca agaacgggag aatgatctca ataaaatcaa 44280  
 tcaatttttc gctactgtca tccagcaggt tatcgaaacg agaagctcat gcttaccgcg 44340  
 gtcgttatcc cgactcttag atacgatttt tcacttcaac agaatcggtt taaacataga 44400  
 aacgtgcaga atctacgtcg agatcctctc aaaccacatg gcgacaccag acaccaacc 44460  
 cataatcaat acattcacca tcaacttaat ccatattggt ttcaccgcgc acgtgttttt 44520  
 catctgcatg gaaaatttca gcccgacatt cttattctat aataggaaaa aactcatatt 44580  
 agaacaacag agagccattt tgatcatcga acgaaatgaa tattccacac tctggaaaca 44640  
 aatatctgat cacatcgact gtctcttcaa catctctctc tccgaatcct tttttaaga 44700  
 atataccaaa ggaggaaacg aagaacataa acagtttcta tacaaaaacc tattcgaaaa 44760  
 atgggggtgac gtctttttcc ctttcacgta ctcggtaacc acctcaaaaa actccacggc 44820  
 acaccatatt acaacccttg agctaagggc catctgcaaa gaggtctatc agagcgattc 44880  
 cccggaggca tacgaatcgt tacttcccta cagcactcat ccagctttta aaacattatt 44940  
 cattaaaatc tacgttatac ctatggtcac atacattacc aatcttacct ttgataaatt 45000  
 acaatctgat tacagactca taactctgat ccacgcctgt aaactcttac tcccctcgca 45060  
 acatctacta ctacactaca tgggtgtggct atacgctttt tccataaacg tagaccacat 45120  
 agatctaggc actttcacgc taataaagtc cgtaatcttg aaaatcgctg accacataaa 45180  
 cgtgatgaag catacgatct actcccctga gacaaacctt ctcgtaagca ttctactaaa 45240  
 ggcgtatacc gactacctta aaaatctacgt aaaccctgg atcaaacaga ccataacggc 45300  
 aaacttctcc ctgttacaga cgtacataac cttcacgaaa caatgcgcca gcattcttagc 45360  
 gaccaaatgc aacataaact tagacaatct atttatctcc atgactatcg gaacagaaaa 45420  
 aattgatacc acttcgtttt actccttcat cgctacatgc agaaatttag tacgtcaaca 45480  
 cgaagaattc aaaaaatcac taaaaacgat cgaaacttcc aaaaccgcac tcacgaatat 45540  
 gctactaaac ataataacaa gcgtctcctc ctccaaggag ctgctgacca acgaagcact 45600  
 acaaaaaattc atcgacactg tccaacgcat ctcccaacac gtaaacgaaa cataccagtt 45660  
 aatttccgtg aacctcgaaa aatgtaaaat ctcaaacgac atcctaactg aatccctaaa 45720

gaagaccatc tccatagttg atgtactcag ctccgatgca atcctaaaca cgtcgttaac 45780  
 ttctagatgt ctggaggccg ccacgctcgc ggtttcaaac aattctttca caatactcga 45840  
 aattaaaaag gacgcagttg ccgttttcaa gcctttttata acacaactat ttgaaagcat 45900  
 gaaacccacc acgagtctat ataagaaatt gatggctacc caaaaattga ccaccgaccg 45960  
 cattccattt ctcgatatct tcgacgatag gtacaaccta gtcagacacg tcgaacgaca 46020  
 attaaactgg tacgccgcat atgccgaagc agcgcagcaa gatcttattg cttctcttac 46080  
 gttttaacgg tcgcgttcta acccatgaaa atcattacca gtagcacgaa ccaaaatgac 46140  
 tctaaatacg gaccgagagc cggaaaacaa tgcatgtcga acagcttttc atttctccac 46200  
 actgtttact taaacggaat taacaattct ctcaatgcgg gtactataga cgccataatg 46260  
 gaagaaggct atcacttaga cacggccagc accttagctc taatgctaga taactcagat 46320  
 tcgcaagact acagactcct caccgaaatc cccagaagga tccattctag gtacggcgctc 46380  
 acacagcatg aactctcagc gccatttaac ggaaccctag acacacagaa aattgacaat 46440  
 gaggtatatt ttggcctcat agatttcata ctgtatggca aaaccaagaa ttgtccagct 46500  
 tttgcagtca tcacgatcgg cgtcgtatcg cgagcaattt tttttcttaa caatactctc 46560  
 tacttattcg actctcaccg gactgaacga gaagccacag cagccatcta catctgtcaa 46620  
 gacattgaag aagcttatga actgctcacc gcccacggca ctgaaggctt ctactacgac 46680  
 gccagcttca tttttttcat agaaacctcc aatttgctgc tctctagtca cgacgccgag 46740  
 cttcttatcc taaaaactta taaagacccc gacatagcga ttacgctaga taaattttct 46800  
 tccacggaaa tccatgatat aaaaaaaaca gatgatatcg aatcgcaaca agacctcggt 46860  
 gcggctaaaa cgacagatct agaacgcgcg cccagaaaaa gaaagaaaaa ctctcatagt 46920  
 ctagaactag aactaaatga caagaagaaa aaagataccg catccttgac atattacgca 46980  
 acggaagtcg acctaatcc gagcttttat gaactacgat cacaatttca atctttattt 47040  
 cacgatctca aatcttttcc tataatgaaa tctcaattca actggaccat atacttacia 47100  
 gattctccca tgaatcctaa tcagcccttc gcaacaccct ttctctggaa cagagttttt 47160  
 cacttattgt gtcaaatcgt cgacgtgttt gtaggcgtcg gatccacaaa tgacgattct 47220

agcaaacaaa agcagcaaac gattttcata aattatttat tgcctttcaa ggacttttcc 47280  
 gaagtattca acgaggcggtt gacagcttgt caagaaaaca atctggacat cctcttgatt 47340  
 tacaataatt acctgtgcaa aaccacgacc tttcgaacac tcgagagaat cttactaagc 47400  
 aaatttctgg caatagctga taatgagcac gaaaaacatt atgaatgggt caaatcgtgg 47460  
 accacacaaa tgctccaaga gatgccaaag aaactagatg acatagagaa ttatctaaaa 47520  
 gcctatgtga gccagaaccc tgtgaaacac ttccatgaat tcgtttgtct gaataaggca 47580  
 gaaaaacaca acatagctgt tctgctcaac gaaaaacgaa aagagattca agaagatatt 47640  
 gaacgagaca agaataTTTT cgcacaaatc tctaatttta ttgacaaact cggcgaaact 47700  
 ccgcacttc ctatcgaatc agaaaacgtg cacaaagttc acacgagcga catcactgaa 47760  
 gccatcggtc cgcgtttcat gactgaatcg attgaattac caaacatctc cacactgaac 47820  
 aacacccaac aattatccct agaaaaacaa atcagtgaag aactcaccaa caccatccac 47880  
 aactcagaa acaaattcac aaaaatcgta caagataact ataacaatct cgctgccggt 47940  
 ttcatgccag ttaccgaact gaattgcta ttgacctacc tggtaaacct ttattttaac 48000  
 attgaagttt taaaacacag cggcctaaac attaacactg agttgcttca agaagtggaa 48060  
 aaactgtatg acaacacgca atttctacgc ttcggaactt ctcaattcaa tataaacaac 48120  
 ctttcgaact ttacctatc tatcagaaaa atgttcgtcg atttctataa cagtcaaaaa 48180  
 ccctcggaca gagcttccga aatcctagcc gcaatcgaat ccattcttagc ggaccccgagc 48240  
 aaaaacaaga caatcgtaaa tatagaaatg atcaaatac aactggaaga actggggaaa 48300  
 atggaaatct ccaccaccga aaacaagcaa acagctgaag tcacaaaaca aatccttggg 48360  
 gaccaagagt taaccttat ttacgatttc ctgcaccatc tctctgctta taacctacct 48420  
 aatactacga ccgtaaaaaa ttacacctc catttcatct tagaaaaacg accagatatc 48480  
 gctgcgattc tccacgataa aatacaatcc atacttgaca tatgtataga cgacatgctc 48540  
 aatgacataa cagtccctga gcagacgttt tcaaccgttc tatttcttgt agatctcttc 48600  
 ccaaacagca ccgaaaaaac agcactgttc gaatccgttc tcacactacg gcaattagca 48660  
 aagaaatgcg ctaacttaaa aactctagaa gaattcgacg atctggccca gttcatcacg 48720

acgaacagcg aacaactcca aaacatgatg aaacagcatt ttggaaaaaa aataccaacg 48780  
 ctgatggatc atatcaaatt tctctactct caaaaaataa tcaccgctga agagaaaaat 48840  
 tggatacaga gagcaaaaac agccgtcatt acatctcccg aagaactgac agcctttctta 48900  
 gccactgcac ccactaaaca cgccttacaa acttgcaagc ctgagctcga taaagcacta 48960  
 caacgacata tggaagagca aatgaaacaa actgctgaaa acgacaaaaa acacatcctt 49020  
 acaatcagaa acaccctcga aaaaagactg aacgacatct tactcattct aaaaaacggt 49080  
 caattctcgt ctttggaac agtgcatthg aatcttttag aaacctttct aaaacaactg 49140  
 caggataacg atctcatcat tcacttcact catgcactac tgccagtgtt aaaggacata 49200  
 gaaacgacca tcagcaagac catctccgac attctcgaaa agatattaat caaaactcct 49260  
 ctaaaccctg aacagatgtc caaggaagaa caaaaatata cccctttact cagttttctta 49320  
 tccaagttca aaaaaacaac attctgcaca gaagatgtaa aaacagagat cgaccaaatg 49380  
 caaaaaagta tcacgttcct cacgaaaatt gctacctcca ctaataaata tactagaatc 49440  
 agccactcct tctacggaca agaattaaac ctctacgaag aacgcatac agagctgaaa 49500  
 aaagagacga acaaaataaa agaaccgctc tccaaagaat acgcagtagc tgagaaaaaa 49560  
 attcttctct cgtcacaaga tgcaaaaacc aataaaattt atctagtcct aaatacgcac 49620  
 acgctgaaag aaataaaaaa cacccaattc agagaaacgg catctgctaa agctctcacg 49680  
 gtggaagtca acaacaaaga aaatcaactc caggagctgt taaaccactt taacgcacac 49740  
 ctaaaggcga aaatggatca gaacatata acaaaacttt cattcgatac aaaatggaca 49800  
 gcctttgttt cggattccag gctctacttc ccagacttcg ttgacatcaa actgcaggac 49860  
 tttatttctg atccctttta agttataagt cagctgatga acaaagcagc caacgagatg 49920  
 ccttacattc aagcagagat aactctcaaa tggttaacac aattagtaca cgacatcaac 49980  
 aaattctgcc tgtcagctat aagcgaattc gggaaagaag caatcccggt caattacgcg 50040  
 gccctacgag atttgagta ccagattaac accaagtacg tagaaattga aaacaaagtc 50100  
 atctgcaacg aaaccgtcga gaacacgaaa aacattccga aactgactaa gctcttgaag 50160  
 gagttagatc ctaaacgcgt tgccggtggc cagaaacagt atcaaaactct catgaacaag 50220

attctcactt ccgaaacttc tatgcaacag acctacgaaa aagaacaact caaaaaagaa 50280  
 tacttcgaga ccgtaataa tgtcgccagc ttcaagttag cattcaactt tcctaagcaa 50340  
 cgacaaaatg tggaacgact aatggagaag ttcaagtgc tgcccaaaag ccagccattt 50400  
 gaaaaatttc cagaggaaaa tgacctatct tctgactcac tcatcacaga aaattatatt 50460  
 aacggctctgc gcgcactcct caacttcata acgcgtgcgc aaaactacat ccagaacaca 50520  
 cttctgaaac aatgggcggt atttcagcaa caaaatttca tcccgatcga tgactcagta 50580  
 gcgaatgtca agcctatttc ggatttatat gccgcctca ggattgaacg ggaccgtcaa 50640  
 gtgttctacc aagtaaaactc tgtctttgga actcaactaa ttgttgacga aacaggagtt 50700  
 ccgctgcaat tccacaacat cttttacaac gccgtagtga agtttttctc cctgaactac 50760  
 aagcagattc atgtaccaga agacaccccc cgcttggtat ctagccaata taaactcctg 50820  
 tccgtgtgta aatctttcat aattatacta cagcagttct gggagaatat aatcactctg 50880  
 gacctaggct ccgacctcag agacggtaca caaaatttta aaagagaact tataccgaac 50940  
 gtgaacttga aattatttat atacatcata acacaagcct ggacagcatc tgaagacagt 51000  
 actgtttcca cagcgttcga attgcccac aagcaattca cacttttgat actatgctca 51060  
 catcctgaat atctctacgg ctgtctcagt catccaacag atctgggtat aaattcatta 51120  
 gccaaaagca tagacaaaga cagtctctat gacacattcg tcgttagcca caaccctccc 51180  
 gagaagccca tgcatttgat gagaagtata tgtatcgaca ccagctatg gcaatccgcc 51240  
 aaacttatga aagatacctt ccaacaaaca ttttttacac aactgtgccc ccaaaacgaa 51300  
 aagtttttta tctatctcac tgccttctta attctccct ataaatttct gaactatatt 51360  
 tggattcaat acaaaccgat cacttttacc caaagatctt atcaaaactt aattaaggac 51420  
 ctatgctccg aatacgtaca ccaaaataag atcaccatgt cctcggtaac tccccacgaa 51480  
 ccggacacaa taaaatccgg agaaaagatt acctcaaaaa tcaccgtaca caaagcacia 51540  
 aacacaccga cactcactcg cctgcaggct caggaatatg tcttcgacta cattctttac 51600  
 tctttcttga cggggtacga aatgacattc gctatgtaca tcgacaccat cgaaaaaaca 51660  
 tacctgcttt gcatgagaca cctggaaaac gtactccacg ataaagactt ccaatccgtc 51720

ctgagagcac gcacattcga catcaactac atcctgaaac agtcatggac taagaacata 51780  
 gtcgaacatt caatcttttc agtacagctc aataaaatcg tctcctacct caaccacaca 51840  
 aacagagcga cacccaatat tcccctgata ctatttaatt atgacaacga agttgtcaac 51900  
 gtttatctac cgccgatgtc caccaatcca aaaaaagtcg ctttctacat aaaaaatcct 51960  
 ttccactttc ccgtgcaaga atacgaagcg acagatttaa tttcctttca tctctaccca 52020  
 aaaacaacag atatitttaa ccaacttccg cccaataaaa ctgtgtctac tcgcccatac 52080  
 aaccttagct ctgaaacttt aaccaccaa aacctctccg aaccaaagtt taaacagcct 52140  
 accgttactg gacttatgcc caagagccaa tcaatcatcc tatccactga taccaacgta 52200  
 ctggaaacca gtccagacat aaaagctaac acggccagcg cagcgataaa agatgtcact 52260  
 ctagctcgag aacaaatcag cgagttctcc gaatcgataa atacaactct ttcaaaatta 52320  
 aaatctttgt atctgtaaca ttcgacacac aaagtcatgc tccttttata aatttttatt 52380  
 agttaaacat acgaaataaa tgaagctttc atcaatcact ccctgttttt gtgttcagtc 52440  
 tatgcagcgc cagcattctt atcaaatcga gtcggaacgc cgttttatcc acgttaccgc 52500  
 cgttctgctt agcgtatttt ggcaaaaaga cccaaggac gggatgattg gccatggtag 52560  
 gctgcagccc taaaacaccg gtaagcatct gctgcttctt cttttcctcc tctttttttg 52620  
 aagaacttcc tgaaatctga gtgatctgat tcgacaaatc atcaccacgt atggtcgtca 52680  
 tttcaaatac acctcacgtt ttgggaaatc tgacaacctt gacagatatt aacacagtct 52740  
 tccagatcta agcaagtctc tctaaacgaa tgctgacaat gctgacactg aaaatcagaa 52800  
 ccgtgtgaaa caagccgtaa caacttcttg acggtcacgt tgtagagatg cacagtagaa 52860  
 taacaggatc tacacgaaca aggaacaata acatcgaact tcacattgtc atttaaaata 52920  
 gtgcaagcag aatttggtcc gatcaccgcc ttccatgaaa cagttttcac cttcatcccc 52980  
 aatacacaat gctcagacat ttcatatata cgctcgaaca ccaactgctg actcccacac 53040  
 agcgaacaat acattacatc cgtatgcatg ctgtatatca aatttttctc ctgcttgtct 53100  
 ctaaaataga acatggagct caacgaaaag ccctgcggcg aacacaactt ttcttttccg 53160  
 gagtttaaac agtgaccaca ttttgacaaa ataacgcaa tgtaactctc ttcaagtata 53220

aaccgagaac atttagtctt acaatagcac atgacgggta acgaaataac actggttagct 53280  
aagccatcct ttaaggacgt tgccagggca aaggttagaa tcttttgaaa atcaccccggt 53340  
tcaggtttgc tcggcaccat aggtactaga ttattatgct ccactggaat aagatatctg 53400  
tctgcgctaa aacagaagtt ttccaccaa gccttcgcca tagtaaacad gaaattcccc 53460  
gccggagatt tcaaagcata cttttgcaac atggagggaa atgacaaaac gtgctctctc 53520  
tgcctatata gcaacatcac cgtctcggtc tgctcatagt cacgtaaaca gaatagcctc 53580  
atacacggta agttgacgtg cgtcgggaatc ggaagcaaca actgttgctc gaacagaaac 53640  
atgtgcaact cattgatttc ggaaaacgag ggcattctcca gcaacttatt aagcttgtac 53700  
gagggataaa ccctaaatct agtctcgacg tccatccatt tgattctttt aagtttataa 53760  
agagacaaca attcgagaac tttgcaactgc cgatacacga aatacagata ggcgagcaaa 53820  
acaaaaagac cttttgtcat aaccattttg ttaaaaagtc gcttagtgat aaatcgcgctc 53880  
tccggcctgc aacgcagcca aattgcaaaa aactcattat aaaatttttc cgttacttcc 53940  
ttattcagga attttttatt tgtcaagaac attgtaagaa cacattttcc tggcacacag 54000  
gcgtcaccca tcacaaacaa ttgcaaatga gtgtacggcc catgtttaca caaccgggcc 54060  
agaagctggc gtaggagttt ttttaagtag aacataacaa aaatacaagg ctaaaagaaa 54120  
gcagatgctg acaatcgcaa cccgacaatg cttttcactt agtctcgaaa acttcacacc 54180  
ggacaggaat gacttttcit tttcatagaa ctggtttata ctctctgtg atgtcacaac 54240  
cgcagaagct ttatttgcaa tttctccgct acttccgagt tgcccccttt ccaaaacatg 54300  
tgaagacctt cttegcaaac cttgacaaaa cctattcgat tcgagatgct gtttcccat 54360  
agaacacttc ttttaagaaa ttgccttcaa aagcgaaatg tattcagatt cgttttcagg 54420  
cccaaacgcc acaaactcca caacgtaagt ttctgtctga ttacgcctaa ttatacattt 54480  
cgtgaacact gcaaaaagttg aaggcttcat agccactatg tcgctcatgc gaacagtcaa 54540  
acattcatta acacgcagaa tgttgcatc tctcacagca tgatggcctt ctgctttaac 54600  
cggggcatgc aaataacaag acatcgacac acgtccgcct gtgtttttga acacaaatct 54660  
cggttcctgc ttagttacat gttcccagag actcaacaga tattctagat tataagcgta 54720

gtctaacttg agaataatat cacacaaagg aaatttcgga tttttcgaca ataaattccg 54780  
 ctcatgcatc ctatagtcac gagaccccaa cttaaagata cgacaggtcg cactcagtag 54840  
 ttcatcgtag atcttttctt tgagtagctt agccatttca cctattttaa agctattccg 54900  
 tatttaaata ttcttgatgt tctaataatc catttacatt taacagcttt gacaatatcg 54960  
 aagtgagaag tatgattttc tgagccatga cctctcgatg cacgcaatcg acatccccgt 55020  
 gaacgtatct agaaaaagca acgtgtctat atccaacact aagaaaattc agtcgcgcct 55080  
 ccaaagaagg aagcatcatt tcatataatc gtggcagcat tggataaaaac acgacctcaa 55140  
 actcccttcc ctgctcacag acttgctcat acaaaagtcc aagattcgtc ttttcaggtg 55200  
 aggagtccat catgtacaaa ggatgggact cagaagcggt gtctatacaa tctgagatag 55260  
 taaacgagat tctgttatat tgctacctca ctccccaacc accaattcct tccgaaacga 55320  
 caacagccac cagccccacg aacatagaaa acgaaatctc caatttagaa agctctgaaa 55380  
 acctagagga attaaagcga ttatccgtcg cattaaatat agacagacga tgcaatatct 55440  
 gctccatcgt aaatctgtgc ctcaacaaa acaaatcatg gatctacgac tacagtctac 55500  
 tgtgctacaa atgcaactac gcgcaaaga ctccattgtc tcttctgac gtctccgcgg 55560  
 aatttataat gttaatacga gaacgatttc caaacatcaa ttttgacggc ctttttcaga 55620  
 acaacattgt ctccatcttt gacttccacg ttcatTTTTT tattcacaga tgcttcgcaa 55680  
 atacggtcaa cgatcacatc caaagcgaaa acataaccct gatcacatgc atatcgatcg 55740  
 accctactaa aagagacagt ataccgcaca tcaaaataaa aaaatttcta accaaaaaaa 55800  
 tgaacccgaa aaaaacacaa aaccccgaa tgaataaaaa actcacagtg cccatgaaga 55860  
 ctgcttcac gacactctta ttctatatgt ggtctggcac aaacgtcttc gaccgagttc 55920  
 ctttcacgga cctaactatc cgcaaacatc gtttcatcaa aaacctgtat tccaacaaaa 55980  
 ccgacatcga actcacagct ggtcccatc tattggcaca gattccattt tccatcacca 56040  
 aaaacaaaac aaccagcgtc tgtctgctat gtgaactgat ggcagcttcc aaacaagatt 56100  
 acctattttt aaaatatcta catcaaagca tcatggacta ctgtcaaaac aacctaaaga 56160  
 tgatagatag agttcagttc gtcattgccg atatcttcga gaagacaaaa atacacatgc 56220

acgtcaagaa tctttccgac tacagcaagg cgatattcga taacgaattc tcattctccg 56280  
 atgataactt cactctcgat acccaggttt acctgatact ccgccagact ggaacagtgg 56340  
 gagtctataa gcacttcttc tgtgatcctc tgtgtctggc aaactgtaaa accattaacc 56400  
 cggaggttct ctccaacact acagacgccg gagaaatcca agacttgaaa gtcaccatat 56460  
 gctaccgtaa cgaatattta agcatcgctc aaaaacatgt ttggctagcg atacatcttt 56520  
 tcaaagcttt tcagattatt aaaccaaacc ataaaaataa aactcaaatt gcagagtttc 56580  
 tcaaagactt cactaactta ttagcgcttc accacttga tatcgctgat cccattttca 56640  
 ccgtcaacta ctacgtttta agaattgactg tacacaaaaa ccgttttcga cgatcgcgaa 56700  
 gcctgtccgt gacacacaga atacaaaaac gacctgatca cagagaaaaa acaaagcttt 56760  
 acttacaact gaaactccac gatctacacg ccgtcttcaa cctgtttcca gaatacgaac 56820  
 agaaatttct agcgatcata aaactgccaa ttaccggtaa agaaccatc gacgtcccat 56880  
 tcagtctcag caatcaccat caacacacct gcctagaatt ctctccctac gctaacgaac 56940  
 aaatctccaa aagcgctgc ctacactgcg aatccgtctc cgttccaacc tctcagatg 57000  
 caatggctgc ccacttgaac caagtcacca acgtcatgca aaacagattt tacttctacg 57060  
 gctttcgaaa ggacatggag ctgatacgca tgtccgcaa acaaccact atctttcaaa 57120  
 tcttttatat tgtccacaac acgatcaaca acatattccc tatcatgttc gaaaaaaaaa 57180  
 aaaagctcgg aatgcacata gttttccagt ctgcactct gcacattcct tgtgaatgca 57240  
 ttaaacaat aatagcggta tcttcgggct acaacgttta tctagatata ctacaagaca 57300  
 gtgtaatcct aactgtcctc tgcgaaacac tagatactaa tactaatatt cacattgaca 57360  
 tagggatgct tcaaaaaaag ctcgaagaaa tggacatccc aaacgaaatc agcgatagac 57420  
 tcgaaaaata caaaggacat ctaataggtt tccattaaac cactttattg ttaacatgta 57480  
 caaacgacaa aaccgaaata cggtcacatt acctctgcaa tagcagaaaa cgtttcatcc 57540  
 aaatacactt tcataggaag taaatacaat agtaacttct ctttttttat atcggtcttc 57600  
 ggaaaaatgg gtgaaatcgc attagtcaca gccttgataa tctgatcgaa atacttctcc 57660  
 gcatgtatag gaatcttggt ttctaacaca tagtttggt cttctgctaa ttcatagtta 57720

tgcgtctgtt tattaccagt agatgggtgct attaacacat acataattcg gtcaccaaca 57780  
 ttcggaatth cttcctttct ctgcgccaac cttctaataga cgctaagggtg agccagattc 57840  
 ggctgcttat atgcagccac ctcccttgga agcacagaag acaacatcaa atgtctcacg 57900  
 tctgcccgat tttgaaaaag ctccctccgc gctttgcaca gacgacgcaa aatthttatga 57960  
 ataccacag gcactccttc gtcacgcaac tgtgtttgag tcatgtgaga aaactccaca 58020  
 gcagcagtct gaacctcttc atcaaagaac aacaagtcca cgatgtcttt caccacacct 58080  
 ttcacaaaat cgcaagaagt ctttctcacc agatctaccc ccttaaaaat taaaagcgag 58140  
 tcatcctgtc taccaatata tctthtttta caaatcaaaa tgagcggaca taaaatcttc 58200  
 tcgaactcga gcttgatagg cgatttgaac aagcgatctg tgatatgttt ggcgatcatc 58260  
 ggcgcaatcc tccgcagaga ctcatagcc atatttctga cagacataaa gatgctatcc 58320  
 gtatcaccat agattacctc cactthttaa tcaccagtaa aatctgatgc cgtagaccc 58380  
 agttcttcgc aaaagaattg ctccgactgc atcttggaat taacataatc caccgtggaa 58440  
 caaagcatct ctcttccaag acaggttaca gaagcagcaa tcgcaacaca cggcaataac 58500  
 ccgtgcgccg ctcccgtgac accgtacacc gagttacatg ttgttttgag agcgagctgc 58560  
 thtttatcca gaaggagtht catcattgga tccgaacagt thtgcatctc cgccttact 58620  
 tctcgtctct tggccagcca gtcctthagt agacttcaa gcacagactc gcgaacacaa 58680  
 ggcttcacaa accgatgggt ctcatcccc aacttcacgg ttaagatgtc actctctgat 58740  
 aatccagcta thtgccgtc atccaaaact aaggtactat aacacagatt atgcgccatc 58800  
 ataatgctcg gatacaaact ctgaaaatca aacaccacag tgggcacagc ataataaccc 58860  
 gtcttaggct ccaagacggt agccccthg taacctatcc cthgtctatt atgcgaagac 58920  
 accatactcg gaagaatcat gttacgacgt thtgcttccg taagaatgca gggaaatatc 58980  
 thcttctgct gacctcgaa caccacacat ctagccgtga cgtgtgccaa tctggcgacc 59040  
 tcggcaacct cataatgata attaatctgt ttaaagagac gcacaactaa gacagagtcc 59100  
 tgcagacaat atttaccgac aacagccctg ccaactgggtc cgctaataaa thtctthgg 59160  
 atttccttgt acgataactg ctctthttct tgctggagac agatcttagc aatagtatcc 59220

agtttgtaat tctgcgccgt tatcttacta gaatagactg gatacatatc cagatataac 59280  
 actccggaag taaacacctt ggtttgcgcc tgaaggaacc ctttcttgta ctgttcatgt 59340  
 ggaacagaga ttccaatctt tccattcttc agtttagaaa aacaaccaat ctcatagtgg 59400  
 taaatcttat ccatccttat acacaaatat tttaaataca aattgttaat attataaccg 59460  
 gtaataaaact ccggagattc aatccttaaa aatatgaaaa atcccaaaag taattcaaac 59520  
 tctgacgcaa attcatatat atgcacgccg tcaatttggt cacaggttcc cagagtaaac 59580  
 agatgtctct catcacggtc gccctcagta tcgaaactaa ctacagaaat ctgaataact 59640  
 atatcaccca aattttcggc atccgggaaa ttcccatttt ggcccaaaca ctctatgtcg 59700  
 aaggaccagc atccatataa gggccaattg acgttttcca aagaaactaa atccgagaca 59760  
 tgacagttaa tttccacctc aagattactc ctttttccca tatcttgagg aatatatttt 59820  
 ttacattat accatccgaa actcaaaaaa ccattatcga cgaagaaacg agtcaaaaca 59880  
 tctacatcga ttccataaac tacgaatccc tcattctgca gaatcttccc aatacgttga 59940  
 gatacataaa aatttccaaa actcacttta aacagattaa caacagtgtt ggcattgtac 60000  
 ccatacaatg acaacttata agccggtcga atgacaaaag aacacgacat cttaacctcg 60060  
 ccggttaaca tcaaatgtt tatagtagcc ttcaggcttt ttccgtcgac acattcgag 60120  
 taaaaatatt gtcctgtcc aaacacgttc acacaaatct tctcacgtc ctcagatctc 60180  
 ccaaacatcc taatcactgt cccgaagga atcacaaat gtctatactg aaaaggaaga 60240  
 ttctcgatcg aatccgtaaa cattaacgtt tctacagcat catagatgtg gaacttcac 60300  
 ctgatatgat cataatcctt ggaccgaact ctgtccaaac tcggccaagt catttctttg 60360  
 ctcagtaaact actgtcggtc tcgataaaac atacgcggtt cagagtcaca aacatccttt 60420  
 attaagcccc cagcaccatc atgcattata ccgcgaggaa gtatacgaat gtaactcgat 60480  
 ctgctttttt tctttaagcg attcgcttcc aaatatggat taaaaaatga caccgaatcc 60540  
 atcacgcttc ttctacattt acactcttat aacctctata cctgatcctg tctatcaaac 60600  
 taggttttga ggcatgagac tcagaagacg aaggttttct tctgtaggac tcgtctaaag 60660  
 actttatggc cttgagcatt tttaaagcat cttcttgtga atattcatca ccacttattt 60720

gtccactgac gtcagccata cctcctctt tttccgaaac cgcaacagat gtgccccgt 60780  
 cagcatcttt aacactaggc gtcttgacgg cagtgggtccc cgtaacactg gacacagtag 60840  
 tcaccggatt ggtggcataa ggaaacatca tgtcaatagg ctactaagc acatgttttt 60900  
 gtctaacgaa aaccacaatt attataacaa caactactat cgctaaaatc aacatgagac 60960  
 ccccccgaa tggatttttt aaaaaagaca ccactccacc cacaatatcc ccaagtgtc 61020  
 ctgccgtaac acttataacc gagcccaatc cagtgcctat agccccaagc ccttgtaaaa 61080  
 aagaattaat ccattgaca tacgacggcg tattagtagc aattttagct tctatagtat 61140  
 atagtgcgt cttatatgag ttatatcac gaagaatatt ctctaaatcg aaaacgtttg 61200  
 ctctactcaa ttcgtccggc gaatataaat caagtagttt aaaatcagca ttttcgagag 61260  
 ggtcaatctt tagtctaata aaagcatcca atacctcaat gtcttctatg ggcgtcgaat 61320  
 tcgtatgcgt ataatcggta tacacgtgtg catgatttcc agatagaaat atctttgtac 61380  
 taggtatctc acattcctct gtccatgat caccaacag aatctcatta tctaacccta 61440  
 gctgaccagg gacaacctca ggcgtaggagt tcacaaagct aaacgtcacc aagggccgat 61500  
 tataacacac cgtttctc cttaatccct tcgcatcgac gaccgcata ctcttatgaa 61560  
 gctgaacgga tgactgatta acttctatgc atttcgagat agctaacaca tcaccatgca 61620  
 actgtgcaga tatcggacga ccgtaaacct cagacacgat actcgatgga ctgatcttac 61680  
 taagttcgtg caacatcggt atcgttcggt ttgatcgag gcaccaagat tctgccaaat 61740  
 tccccaggc atcgttgata taatctttca aagtatcata gaggtactgt aattgcacat 61800  
 aaagaatatc atgtctagac ttgacatcca ccaaattctg cctcctacgt aagtttactg 61860  
 aacctgtctc aagaaccata agagattttt gcacaagagg ctgccaaatc aaaatcagat 61920  
 ctcccgtagt cttaaaaaatt tgataactac cgttcatgct gtatgtatca ttataatctg 61980  
 acatatagac ttctttaatt atattctcaa attcattctt aatacacgtt tgtttggggt 62040  
 cggtaagatt taaagaatcc ttgggggtga cgaaagcggc tgtcaactcc ttagaaataa 62100  
 agtgataagt ctcatccgtc tccgtcga gcccgtgagt caccgtagtc caatgcttta 62160  
 gcatacacac cgattcattc tcttccttga tttcccaaga aaacagagta tcccccttct 62220

cgagaaaaagc gatcttcctt actaacgtag tagccccatt cataccattc attagatctt 62280  
 ctatcatagt atagttttcc aagattgtca atttttctaa cggctctgca aaatgtttac 62340  
 cgtttgaacc gtcgaagaac ggagaccctt ccacgatttc accagtcgtc aaagcaaagt 62400  
 aactaaacgg atatttcgcc ttagccgtag cctccgtcac aatacaattg agagacgtcg 62460  
 atgtagaata gagccacaaa ggacccttg caaagtaggg ttctttcgta gtgataaatc 62520  
 ttttattagt aacagacttg aaattcagag gaaataattc tagagtttcg tttttattat 62580  
 tatcctcatg ataggcacta aacaccgtac catcgggtcg ttttatcgct acggctgaat 62640  
 aacactgcg cagagaatta actaaatttg ctctgtacat cggcatagcc aaacccatca 62700  
 ccgtccgatc cagaaaataa accacacca catcacggta actggtttgg aacgtcagct 62760  
 cgtttttata cgttctcact ggaaaagtgt aggtctcgat atttgttttg taaatgatga 62820  
 aaaaaccctc cgacatcttt gcattagact tatatggcga gcacgaaata tctctgtcga 62880  
 accgcatcaa atccgtacct ttggcaatcg aacaaatccg aaaaggatat ttgtgattat 62940  
 agcccgtct gatataatta tccgaatcgc aatatatcat taaaacacta ttcataaaaa 63000  
 agacagccag gaataatact gtcattctgc tcattctccc taacgagatc tagtagatta 63060  
 ggcgttcgaa cagagtaact tactccttcc ggcacgtcta tagtctccct cgacaactga 63120  
 gcttgcaaat cacaatataa cagegaatac acgtctttta actttgtcat gccaccaccg 63180  
 gtgtgaaata atagaggaga ctctgtgatta aatgtcaaaa cgacatttcc attcaaatcc 63240  
 tcctcctcat ctatacgtac aatttttaat cgctttccga aaacatcatt atatagtga 63300  
 acagaaagtg ttaactctct gatgaaattc cacatttttt tctgcatgtc atttacatca 63360  
 gttacaccgg aaaagttaaa aaactcatta tattegcaca ccatccacac cctgggatga 63420  
 atagtgcct ctatgcattt cgctaaatct tccttcatat gcggtaacat ttctgcgtgg 63480  
 tcgcaaccat acgccattga gatattcgcc ggaagtggat aggcagattt atgaaaatcc 63540  
 gataacggac ccgttaacaa tgtgtacata atctcactta aatccggcaa aagctccaaa 63600  
 gggagcttct tcggcatcag attattttta atataaagat gttcatcgta tgtacagcta 63660  
 tctacacgaa gagagccatc caagtacatt tttctgagaa cgaaaccgtt cataatcttc 63720

gataaagcct caaaaataaa attcccatac acgttcacac tcaactacctt attgatgagt 63780  
gattcctgct ctggaataca tgccatcacc ctattataac cagattcaga aaccttttga 63840  
aaatacgctt ttttccgagc caagacttcc tgctgaagat tatgagtttg aagcatgcaa 63900  
ttgatcgtgt tcagccttcc cgggtgtttct gtcgtctgtg gatcccgaaat gtcattgcaac 63960  
agactcttaa ttttatgttg aacctcatct tcttcagcca atctttttaa tattggactt 64020  
tcttcgagat ttttaatget cagaccagtg acaagatcta tcaacctcga aggagacaca 64080  
taaatagagc caacgtacaa gcgctcgtca tgcgtgagca aatttttact caaagccaag 64140  
aagtcttcag agacttcacc gtaaagataa agactaacat cattctgtaa ttgcttatac 64200  
aacgtatgac aactatttta ctgctgaagc gtaatagcaa catttcttac tatcgtttct 64260  
gatatttttag accaatacgt aaactcactt aaagaatata tcacgtcagg taccttgcta 64320  
aaaatattat actttttcag agttttctca gcactactaa catgcaacga ttccggctgaa 64380  
cgctgctgct taaaaatctt cttgatttca gtcacaacag actgaatagt cccatagttc 64440  
aaaatggcct ctctaagtc tttttctatc gtctcaatat ttttttcaat attaaaaaaa 64500  
gctttttgct cgggtcaaatg attacagaac tttccatgta atctttttccg aagtgatttt 64560  
ccttggtttg gagtcaaagt caattcttca taacacttca tgcaagtctt ggtttcgaga 64620  
taactctccg gtttcgcaac catacatgag ccacacatga tagttagcaa gtctataatt 64680  
tttccgcaaa tctgcaaccc ttcttggggc agaagtaaag catatacgga gttgatctta 64740  
ctgattaatt gttctatata atttagcgta gataattgca cgataaactc aacaccgtta 64800  
tttaatgaaa tgtttattga caagtgtcga gcacaacgtt tcaaacacaa caccttttca 64860  
aaatattttt ttctatcctg gtctaccata aagctttcca acgtgcacac caaagaagc 64920  
acctgttcat acatagcttt tagcagcacc tgcatataaa ccgtcaaagc tgacgcacaa 64980  
agaagattct gttctttgat accttcaaaa aaagtttgat ataatgcag aatgacaatc 65040  
ccattctttt tgaaatttgc catatcagac aatactatta caggatcaca aaacttttaa 65100  
cattcaaggc ccaaagcaca ttcatgaagc ctacgcacaa acacacacag agattgtaac 65160  
gaattcatac tctgattata atcgggtttt cttagtcacg ggctcatccg ttccgggttc 65220

cgtttcatca cattttaata caccgcttgc ttgatcgtcc tcctccgcta gaatttcaga 65280  
 aaagtcatag accggagcat cgtttgaaga caccgcctca aataccgact gcaaattagc 65340  
 tattgaaaaa tctctcacat tcatatcaac taagtgattc agtttaagca ttatggatgc 65400  
 cgctaaagct tccctaccat ccacaaaaaa aagcatatca tccatagtcg gcttgtcctc 65460  
 cctatccctc atcacctcag ctattattaa taattctgga tcaatatcgt tagttaaatt 65520  
 ctcaacaatg ctgagaacct tgcccttgac cacttccgta tcaaacataa ttgtctcacg 65580  
 ccgaaccttt ttcactataa ctcttgagaa cttttagca ataatcgttt tctgcctcat 65640  
 aaatctaaaa tcttgcaatg cagaagaggt agggtttaag ttcctatcca cgccacttcc 65700  
 acctatccaa cctaactggc caaactgaaa atattcccta ttagccaagc tcacaaattt 65760  
 ctctaattgc aaaccaaag taaccaaaga tcgacttgta aaaattgtac caaaattggg 65820  
 ttctttggac agtgacgcaa tcacaggatt cggaacgcca tccaaaacta actttttaac 65880  
 ataaactaaa tattcctgaa tagaagaaaa tttaggctgc ttgtctaaca ccacaggaaa 65940  
 caacacagga ttctgcgtaa ccagcttaga tgtaagacca tgtaagctag tcaagtagtc 66000  
 atgaaaacct aaagccgaca aaaacttggt atgaaagtaa caatctataa aagttgagag 66060  
 acactctggc tgtatgtcga taatgtctat ctcatcatag gtattcgtaa tactgaatgc 66120  
 aaatttgata aaagtcttaa cttcttcggg gttaccaata tctaaagttt tcggaacatt 66180  
 gttgagcaga aaacgttgcc ataactctaa gcacgaaatt ttgacattcg gaaacaattt 66240  
 atcatgatat ttaaataaaa gaaaggagat acagccagac aagggttct tcttgtgttt 66300  
 cacgttcttt ttaaaataag gattgttggt tgctgtctta ctggacttgt tgaacggtct 66360  
 gttttttatt ctaaaatctc gaagacattg catagacaaa cggcaaagtt tcgcctgaat 66420  
 cgtagttttc acatatttac ccgatttata tagatcgcaa tctaagatct gctccatatc 66480  
 aacattcgaa gcgactttaa ccgttctcgt attcagaaaa ccctttttga gataactgct 66540  
 gtgaaacgtt ccgtacagt attgatactg ctgaacgagc catttagaaa ttgaattacc 66600  
 agtacaaggt ctgtcgacaa catgacctga agccactatc aatgcgaggt tctgcaaaac 66660  
 cgttaaaatg accttataat atgcaaacgt caaaaaagga gaaaatgcag ttgcataagg 66720

ggtcgtatct acattaaatg attgtagaca attttctatc tgttctctag gcgtttgtgt 66780  
 ccttctcatt tcaacaatgc atctagaaac acattcctcg atacattgtg tcaatccgtg 66840  
 gattatagaa acaaaatcctt ttttacttcg gacattgaaa gtatcttcgc ctgttacagg 66900  
 atcaatcaaa gaatTTTTTTT tacagtaatc gaagatctga gatacaaatt taccctgtc 66960  
 cagtgagagc gtgttttggt gatcttttcc aatctctttg agctcgctga caggcttcct 67020  
 gccaaaagaa cctaatatat caacctcggc ataataccga gaaaacatgc tcataacaag 67080  
 tggttccttt ttaacatttt ttggtattgc cggcaaacga gtaccaaccc gcaccatggc 67140  
 agttccaata cacgattgac aacatttccc atcacagaat tcacataaat tcgccgaaca 67200  
 atttaccaga tgattgtaaa tttcagtgtc cgcattaccc gcgttataaa cgctcatacg 67260  
 atttaaattc cacactacat aagaaagcag ctgtgggcaa gtcgcacagg cataagccaa 67320  
 gtgattagct gaaaatttgt catctttgcc tgatgtcgaa tcacatttga tgatttttct 67380  
 attatcgta tacacatcct cagtcaaaga cgacaacgca ttacaaaaag acaaagatcg 67440  
 cagcagtaat tcttgagtca tcaccgaatt aaacgcttgt ttcacgtttg gtataaatgc 67500  
 caattttgag caatataaga tagaatttgg cgcaaagatc aaaacggcaa gatgactaga 67560  
 cagatgtaac tttaaattcg tgagctgcmc catgcgttca gcgtgtgtct ctgagtttct 67620  
 tatgattggc cagtcattga aattcattat ctgactgggg tcatacacccg aatccaggta 67680  
 ttcggctaca tgactaaacg ataattctgt cacaacggaa tcaaccaaca tcaaaaaatc 67740  
 tttctcgacc gctgaaattt tctgtccgga gataccaga taagttttgt ggggtgctaa 67800  
 tttgacagtt tgctcccat cctgtgtaaa ttgtttcagg ccagcatcga ttaattcctt 67860  
 agtattagaa aatcgtaacg ttgtaccca tgatgtaaaa acataataaa aaagcgtttc 67920  
 acttaacgca ggcagaaaaa atcctcgttc ctgaataaat tctgtacagg aagataaaga 67980  
 aatcgtttct tcagtttcaa ataaagttgc agagtataga ggaattttca cacacgaata 68040  
 ctccccaact tgtacttgaa tttgttcttc aacacaagga attaacagac cagcgaacaa 68100  
 caactctttg aaaccgtttc cacacgcaac atggcaaata acagaatctg catctttgcc 68160  
 gacagcagaa caaagagctt tgatatcgat tactttgcgt gctgtaggca cctcaaacga 68220

ctgcaagtga aatttctgtc tggtttgctc acataatcga ataagatcac catgatcttc 68280  
ggccatacca actaactgct cagttccatg gaaaaaaaaa cacacgggca taaaagacgt 68340  
aattttagtt agaattgtgc ctccaaagtt agtgataggt gttttaaccg tggtcgagaa 68400  
atcgttttct acagtcaaatt tcattaacaa cggcgaaata actacaggag aatttctctc 68460  
cattaacgat aaaacagata aaacatccaa aagttctttc tcttttgga aaacatagat 68520  
ccaagcagca gtagaaacag gagcagaaac caccgtttcg ttttcatcag ccatttttgt 68580  
ggattcgatc acaaaaacaa agataatggg tttttgtggt gaaatcctta tatattatgt 68640  
ttgacgtaac ataacacgcg tcatcaaaca taaaagtaaa ccacaagttg aaatataccg 68700  
ttttctatat gagttttacg gacaaaagaa aaacgatttt cttatgcaaa tattttccac 68760  
gcagatgaca tgacacgccc ctttaatttaa atttatgtaa atcgctgtcc acctcaggta 68820  
caatagtata ttatatatat agttttttta taaacttatt gaggacggga gaacgaaggc 68880  
gtggcgttta cgtcatagcc taattataca ttctcagaac aggattttaa aaggctgcga 68940  
gcggccggct gttcagaggg acgctggggg acgacttgag acgtttgact gaaaatgatc 69000  
cttcgtgtac tattttctac aaaaaaatta atttgccggc gacagtaaac ttttcagcgg 69060  
aatttcaaaa attaatcca catgtaattt aagcatttta aaacgtataa ctcacaaggt 69120  
gaaaacatat ttacgaatac agtagttttc gtgatatttt ttaaaaatta ataaatttta 69180  
aatcgtgtaa gtaataaagc atactattag attcttcacg ttaacagagc aagctcttcg 69240  
aggttttcag tagaatttca atatttaatt ccacatgtaa ttttaagcatt ttaaaatgta 69300  
gaattcacia agtgacaaaa cattcaciaa tacagtagtt ttcacggtat ttttgaaatt 69360  
aataaatttt aaatcgggta aatggtaaag catgctgtta aattcacggt aaaagagcaa 69420  
gttcttcgag gtttgctatg tgtttatcag tgaatgtatt tagtatttca attttagatc 69480  
atggttcggg aaagatataa gtccgtgtaa aattttttgg tttagttttc atatctacta 69540  
gactgtgagg tgtttgaagt cgatggttta gctcatgtca aaacgcaatg tcaaattgta 69600  
ataagtcgtt catttcgtgt ttagaaataa ggaattggta tttagaatag ctttgtcgca 69660  
tttttagccg cgacgagaag gttatgacga cgttttcgat tgcattgttt gaaccttttt 69720

cggagtttga atttaccgtt taaagaaaaa cagtttcacg aatagaatct aaaacaggct 69780  
 tccaaaatfff agttaatat tatttcgatt ttcacttggg gtacagaaag ctttggcatc 69840  
 gagatttttt tgatttttaa aagaaatagt tcagagtgtg acagcaaaaa cttttgtaca 69900  
 aaacatactt gtaagaatff gtttacagta agatagttat tctgagtcag aagaatatgt 69960  
 gttaaagtta gtttcacagg tgtcagcttc atagtctaaa tctaagtcca tttcaacact 70020  
 tgattcactt tcatgtttag agttgacgtt ttcattaatg ttaataatca caatttcgtc 70080  
 ttgttttgct tgattgaagt ttagttctct aggatctggt attttgttgt cggtttccat 70140  
 tgattcttct atgagaatff cggtagttgt ttttgctggt gtttaggtttg aggtgtctgg 70200  
 ttttcgacg caaactttgg atttaacctt aggcgtacct tggtttttat gtgaacgatg 70260  
 agaggtctga ggtaggtcgc gacttgttga atagctgcat gaaggttcca tgtcgacctt 70320  
 tggacaagta aaagaaagat ttcggtattc gtgaggaaga tttggaaca gcttaaactt 70380  
 tgggtcgtct ttggcgaaat aagtgcagaa aaatagactt ggtttccaag gagccatgat 70440  
 tcgttcgatt ctattttgac agctgacatc atcgcatffa tggttgctga attgctttcc 70500  
 gatgagcctg cttatcagac cgcattcgta tcgctcggct acacgttctg tgtcgaaatc 70560  
 gcggatgaat tgcggtttct ttgttcgtat gatatgttct ttaatttgtc gtagtattcg 70620  
 agcgaacgtc acaacgatgg acatggcttg ttgaattggg tgtctaaatg agtctggagt 70680  
 ttgttgttgt acttcaaatt cggagtttgg catctctcga tctagtacag gtttaccgca 70740  
 gagttgcctg agttttcggg attcgatgtc gccgtgtccg ttgtcgttga aaacacagg 70800  
 taatttcgcc atgttgagtt tgttgaaaaa ttcgaatttc atgacggtga tggatatacat 70860  
 gaataagtct tgtgggttga ccggtagggt gtgcagatcg tgaaatttaa aataactgca 70920  
 ggcttcttct actgtagcaa ctgtaaaagc aagacaagggt gagtttgtca gggagaatat 70980  
 ccggtcgcgc attagttgct gattttcttc tcgcgtgagc gagtcgagac attgtcgata 71040  
 gcgaagcagc aggtcgggtt ccagtatgtc attagttagg agacagattc gttcatgcgt 71100  
 ctgtggaaat ctgtctcgga tgcgttggtt tggatcacgg gcgtctccgt tgtaaggtct 71160  
 caggccaaga gattttatcg aaaagtttgt gtcggcaaag gggactgttg gaaggttagg 71220

cagaaagggtg attgcattgt tttgagcgcg tttttcttgt tgtttctctt cgatgatggg 71280  
cttcagctgt tctaactctg tcagacttag tgcgtctagt ctagattcat ccagttgttt 71340  
cagagggtgcg agttttcctc gaaaattttt ggcgaaatgg ctgatgaact tgctgggttg 71400  
tctatgcgtg atggaacggt ttatcgttct gaaggcgggt tgtttatgac gatcatgttg 71460  
tgagcggttt actccacgag gatacatgtt tgcttataat aaatgaaatg acataaattg 71520  
gcctctttat atgttttttg agatgctttc cggtggcgct tttttgcggt taagttgtgt 71580  
gaaagaacga aggacgggtg tgctaattgct ttaatctccg gaaatgctgt gatatggcgc 71640  
gatttagtta gcatgtgcgt tggagtcaaa tggtaaatac taaaagaagg tctgggttta 71700  
taggtagtaa gttagttttt taattgctct aaggcgatgg aacaatgtac ttgtttgctg 71760  
ttggactggc atttagtagc aaagcatgtg ctccacaaga tgagaattaa ccgatttccg 71820  
tcggctttga gttgtatgta aactaggacg ttatctcgat ttcctctatg ttgtctgttc 71880  
aggcagctaa aatccgaaac tcttccaaat tgtgtttttt tgatctgaag gttctttgaa 71940  
tctattttga gaaaagttac ttgtgaaaac tgttgcgcta tcctagtctc gtaatgagta 72000  
attaattgcg ttttaatgat tggccatccg attaactctaa taaacgataa aagggagtca 72060  
tccgctgatg ttgcattggt gttaaaacca tgcgtgttca ggtacttggg gattagagtg 72120  
tctgtagcta tgtaaacttt gttccacagt tgtctggatt ttaaateccat gaaacttagg 72180  
ttttcttttag ggcagccttt atccgttatg ctatagatta attcttcgat gggagccttc 72240  
ttagtaccgt gatgtagaag gttgttttaa tccatttgca tctgaataaa cgtcttgcaa 72300  
gaatttcggt aaccttctgg gacgataaat atgggagtta gccgtccatg tagcattttc 72360  
cctttgtcca tgtctgtctt gtacatatag cctattctga tgcagtgacc tgtgtggtaa 72420  
atgccgatgt cgaaacattc tccgggaaat gttaggaat tgaggatctg actaagctct 72480  
tgatctaaac acataacgtg atttaaaatc ttggataatt gttttaatgg ttctcccccg 72540  
gcgatcgtg tgccattagg taatgggatt gatattctaa gaccgatctt tttccgacaa 72600  
atacagaatt gtttgatttc gggttgatct tcagtatagt ctagtgcgtc gttagtctgt 72660  
tcgcactggg ttttgaagaa gaagatggga tgtgtgtgtg tgtcgatgct tggaaaaatt 72720

tttttccagg cgttgatgag ggtaagtctt atgaggcgac acatcgagaa aaatgtttcc 72780  
 tccgtaatgg ttgctgtatc ttgcagcgga agatccaagt ctcctatgta atttgtgact 72840  
 ggtatgcgtt cgttgaatat ttcgtgtcgt gtagtataga attgtttttc gaagtcgtcg 72900  
 cagagaaaaat gtgtgtcttg tagccagatg gcgcgagtta gagcttcac acagatatat 72960  
 tcgtcgggga gatactgtaa gatgcggta aatcccatgt tttcgtacca atcttcagag 73020  
 ttcccgaagc aaaaaatatt tttatgtaaa agctgcactc tgaatacagg aaagggacgg 73080  
 tgataatctt tgtgtaggtg ttgtcttctg tagatgcgct tatcttgtat ctgaacgtat 73140  
 ttatcggaag cggagatttc taataatcct tgtaatcctg gttttactgg agaaaaaaga 73200  
 ccttctccgt ttttattaca tttcgctatg gcacgcgta tttgttcgga agttaatgct 73260  
 tggatggtct tctttttaga ggccagagca tactcgtatt ctgtaacgtt tagatctgga 73320  
 tttttcagtc tttttatc gatgtatgtt ttaaagtaac aatccgcatt gaagtattgc 73380  
 ttcatactac acagtaaatt ttcgtgcagg gaatttccaa gaatgtggac atttctctgg 73440  
 cattgttgc ctattggtaa attagagtcg taagaagtga tattgcagta attgacgaat 73500  
 tttgtcgtct ctagggccgt gttgtaagcg atatatatgt aatggacacg gaatgtgttg 73560  
 gttagatgtg aactctttct aaatagattg atttgagtgt ctagatattt aaattcttcc 73620  
 ttatcgcgga gatttttttg tctggcgta gttgcgaagt ctgcaaatag ttttctaaat 73680  
 tttgatttca aagtaatgtt tataaattcg gacatggaag aatacgtgaa caccatgctt 73740  
 cctgtgtttt ccgtaaagca ttgaacataa tttttggtag ttgtgatggt gctcttttgt 73800  
 tcctcgaaca aatagtaata catcgtaaat aaaagcagac cttctgtttg cccgtaggtc 73860  
 gatagaaacc aaaaggggga agtgggcaat aggaatttac cggtagagata tttgataatg 73920  
 agcgatttgt ggaaataggc catgtattta aattcgacgt cctctttttc ttttccagtt 73980  
 tgagataata tcatgtcgac atataacaat tcggtttctt tgtcgttgag gctgttggca 74040  
 acatcttcag cctttatcgg acttgacgtt tgtatgtagt ggctgagatt taatttctcg 74100  
 gcgtggcaga cgaataccgt gtcgattcgc tttgaatttt tgcatttttg agtttgaagg 74160  
 cagaagctga cgttatttga tggttttatat ttaacaataa tcggaaagat taaatgttca 74220

ctgggacttc tacataggat actaaaaatg acgtttgcgg catcgtattc agtcgcaaac 74280  
actacgatgg tcattgtgta gagctctgtt gattacagat gaatttggct ttaaatgccc 74340  
ttaggggtatt ggggtgttat gggaaattgt tttcgacgat tatctctgtt tggacagccg 74400  
actcaggcaa attatgagat gttgtgctct tccgacgatt tagaaagtga agagctgacg 74460  
tattttcttg atatgacgta taaagatttt ggagtttatac agaatagat tataagtcata 74520  
caaaaagaca cggaactat gaaaactctg ttaggtttat taccaatgta caaaaaaact 74580  
aagctcaggc ataccattat ggagcgatgt ttatccaatt gtcctaacca cgtaaagat 74640  
gcactctgtg tagagcttat gaaagctgaa aaaatattac aaacgatgga tgcgtttttt 74700  
atgaaaaactt taattggcga gttttctatg tgcaccgata atcttaatca gttgcttaac 74760  
aaattcgcta cagatcagtc aacacttagc gatgtcgaga aaataaacag tctcatagag 74820  
attgatggcg aaaacagcaa gcgtctttta gtagagttgg atccgattct ccatgaggag 74880  
acaggattat atcaagcgct gccaaatgtt gtgacggaag ctccgagtga aaaggttaaa 74940  
tcgatacacg tcgagtctga aggtgagagt gtatgggtcaa gcgttactga aggcggcata 75000  
atgaaacaag aaaaaggaac tggcgtctag tacctgtagc cggtttattg cgcgttcagg 75060  
cattaaactg aggcagaaat gtccgcaagt aaaaattatt ctggcgatgc agatgcctgt 75120  
agggatgtag atagttttgc gtgtagagtt gaagatcttt atggagggaa ttgtgtcttt 75180  
gttccagatg taggtttcaa tcaataagcc gagtttgata atttctttgg agggaatcat 75240  
gagagccttt agttcatcgg cgcaaacgta catggcgtcg aagcattgta tcgtatagct 75300  
gttcggttta attataaatt ctctgcatgt ctttagatgg aaaactgcag attcgggggg 75360  
agacagattg atcatctccc atggttcagg gatgtagcaa gggagaaagt tgattgagaa 75420  
ttcgacatct cctgggagaa gcattaggga gtgctcgat aagttcatta gaaaaactga 75480  
aatgtcgggt tcgtcgggta taatttcagt gatgcattcg cagaatacgt cgttgctatg 75540  
gccataatg actccgaaga aaccatccgg gatgcacagg gaaatatcta gttttacgat 75600  
tcgaacttga tcgtcgggca cccatatgag ttctctatct acgagtgtga ttttgttggc 75660  
gtccataaaa acgtccattt tactattcct gtgatggctt actaagatag atggttcttc 75720

cgaaatacaa gtgtccgtat ttgcatttct ttttgcgcggtgtccttgggt agaaagttac 75780  
 tgggttgcca tgtttcctta catagttaac acaatcggtt tctctttgct tttctctttt 75840  
 gcaggctctc gacactgttc cattttgcgg aatacctaga agcgagattg ggcgttgata 75900  
 agaggttagt tcgttttcta gaaatTTTTT aaatgatttc tcatttatag ctggccacac 75960  
 atcgtgcgtt ttgtcttcag atatgtctgt agtccaaagt tcattgatgt ccacgtttcg 76020  
 aaagacgaaa aattcaatgt atcttgagct cgtttgtctc tgtagggtaa tcgtttcaga 76080  
 gatcttttct gaaattacgc tgtacatttt tccagggtgac agagggctgt ctgctgttaa 76140  
 tcacgtcgac gcgaagacta gttcaaaata acacttaaga tgagttgtaa gaaaggcgca 76200  
 aggcaacgct tatatgtcag tctctggctc ttttacattc ttgtttttgc ggccgctacg 76260  
 gaaatggact tttattcttc agagtgccat tcgcacacct atgagatcgt cttgaattca 76320  
 tttcttctga tctggctttt gataaatctt tttttactct tgtgttcttt tgcgattttc 76380  
 ttgaagtact ggtgttataa gacttttgct tcagagacgg tgaagggcta ttagatcgca 76440  
 tgagacgcct attctaatta taaatgtagc acacgacaaa taaaagcatt ttttgatgta 76500  
 attggatcgt gttttattat ctccaataga tttcataacg acaaaagaca aacctgattt 76560  
 cagaattgag tttttattga agactgagga tgagtagctt tgacaaacgt atgcggttat 76620  
 gtgctatctg tgttgtttaa atcgtgtcgt tcgttgatg tgtaatgcgt tgcattttgg 76680  
 gttgagtatg ctttggtagt gaggttatct ggatggttgt gtgagttttt atcggtgacg 76740  
 cggtagtcgt ttccaggcag agttttgtta gcttcccgac tttctgtgga actttttttt 76800  
 ttaacgtccg tagatcgttc cgtgattggt tgggggtaga tgtagtcgt ttgtgacgag 76860  
 acgtgagctt ttgttagttt ggctgattga gttctgttgc tagtcgttag ctgtgttgtg 76920  
 atatgatttg tcgaccttag acttgatttc gttaatggtt cctttggcgt tgtagtaag 76980  
 tttgaccagg ttagaatggc agactttgaa gatgtcgtaa aggacgtttc agcggtgaag 77040  
 ggccattgag gtgtagtcga tttttcccat gtgtgagcgt taagaattgg tgtcattcgt 77100  
 ggtatttctg tgtggttgat ctctccgtga gtggacgccg acattctatt ttgctttggt 77160  
 tcttcggtga ctttagtgat tgagtgtgat gaattactag atggtaaagc attgttagtt 77220

acctgtactt cagttttggc agttacattt gacggtagtt ttttttttgg agtgacagac 77280  
aacgtctgaa cggtaggtgg ctgccttgag gatttcaaag ttgtcctctg gaatctgtcc 77340  
tctttgaagg ttttgacggc ctgcacttct gtgctatggg tttcgtttgc gtattctgtt 77400  
tggtttttta cgttgagaag ttgggtagga tttgtgggtt ctttaggcgt gattcccatc 77460  
gtttctccaa gagaaatttt aataaaattt tcggatcatgt tttgtacttc cgtgttgtgg 77520  
ctcatgtatg tgcgcgccgc gtcttgccaa gtggtaaact ttaaaatcgg agtggtgtgt 77580  
tcgggtgtcgg tgaattttgt cgtgctctgc tgtgatttgc tcttaagata aatagagttt 77640  
tttgggtgaag aatagatatt gtcgctaatt tcctcgattc ctattgttgt tgcgaagggtg 77700  
gtgctttcga gcttttgagt cgtgtttgtt gccactgtag tgctctcaaa cgtttcggga 77760  
attctgattg tggtattttc aaaatttgtt ggttttggtg gactttttgg gttttcggtg 77820  
gggttttcgg tgttttgttc ggttttaata gtggcggttac gacggattgt aagagttgga 77880  
atgtcagtcg ggggtgtacat cggtcgagga aaatctgaac gtttaactac ttttttgatg 77940  
ctttccgttg tttgcgttgt tatgggtggg gtgttcggtg taacttttat ggtgtctgtc 78000  
tgcagttctg taaagttttt tgttacgggg gaaggttctg gggttggtgt gttggtacta 78060  
gggatatgtg gtgatgtgat agacgctgac gtcgatgatg gcgtcgatga tggcgtcgta 78120  
gtcagtatcg aatgaaagtt tacgatggct cgtccaaagg aagtggtaac atttataggt 78180  
tttggcgaat gttcgaaata ttgatcattt gaacggatgc atgatgttgt gttatagagc 78240  
aagaagtaaa caaagctggt gtaattaaag aagatttcag gagtgaacgg agtcaatgac 78300  
cgtgtcagat tcgagttgga aaatttactg attgccatct gcaaggattc gtcggtcagt 78360  
tttatgtcaa ataactgtgt tcccagaatt ttaaacggta gtagctctac gcatggtgga 78420  
tctgcggtat atgtagatag tgtggcaaac agaagataaa atagagaaaa actgctagcg 78480  
acgatagatt tgtttgcagc tgttgaggat agcactattt tggtttctgc ccgcggtaaa 78540  
ttctgtaatg gagacaagtt aaccgcagac ttgcattgta aatctcgaat gttccaagag 78600  
aaaacgttag ttaaaatttg agtgaagcag tcgagggata gatttctctg acaaaaagtt 78660  
gtatacaagt ttcggaggtc gtaaaaatgt tctctttgtt cgtcgtctca attgtggcgg 78720

ttgacggttt tgaagcttc taagggatca gatgtgtatt ttattagatt aacggagtgc	78780
atgactatcg cgaaaagggc cagaaaaagg ccgagtcgcg agatgtgaag catgtcgggt	78840
gagttgacca cagtgaattt ttacaaggag aatgtgtaac taaaatagta ttigcttttt	78900
ttataggggt ggacgatgac ctccaaatgc atgctgtgct ggactgcat tgtgaatgcc	78960
ctggctatct taatgttctt actagtaatt tatcgggcgc taatcggatt taatgacgat	79020
attttcacga gcacgttgte ggcgttttagc tgtatacgga caaatctatc taatgccaaa	79080
tataaataaa acgtttattc aacacaatct gatgagtcta tataagccga ataaagcaat	79140
tattgcatc agaacataaa tgataaccaa tatgatagat acttgggtcta tatcgattcc	79200
gacttcagac atctcaaaaa cagagccgtt ttgggctaac aaaaggtagt gcgtcctggt	79260
gttggaaca agtaaattgt tgttgggatc ggtcagtgtt tttagttcgt ctatgttttt	79320
tatgtagatg tattgtaagg gaccgtcat atcatcatat tccatgacta cgctctgaca	79380
aaactcgcac gtttgagatg atatgtttcg tagcacaagc agatcttgte ctgcatattt	79440
ataatttggt gaaacgcagg tagaattgag aggtatggct gtgattatta tactcgtagc	79500
cacgattgtc gttgtaattg ttaaactcac tcttttaatc acataagagg gagaaattac	79560
aatgtcaca ttcggcagag gcagagaagc tgctggctca cttggagaga gacactgaat	79620
ggccgtact ctgccatat ctggcggtct gtatacggat agcatctcca tcatgtctga	79680
tcgataacgg tcgaggaag cgtacgtgag aactgttttt aaaaaagaat ttgttacatc	79740
tctgcgtacg ggagaggcac aaggcgaata aatattttct agattcgggt ccttgtcagc	79800
tgtaagcatg tgggcccatg aaactatttc tacgggggta cacaggtttc caattagtag	79860
ttgcatgtgc ctctgcatgc gttcatcggc agggatgaaa ttcgctattt cggctagcat	79920
gaatagagtt tccctatcgg aaaatgtcag attcgtaaaa aacatgtgtt tttcatagat	79980
ctttttaga gtgttgcaa tgtcagacca cttgtacctg gaaatcgta cattgggttc	80040
gtacgtgtc gctaagtacg tgagcagcgt agatacggga atggatttgt ttttggtgat	80100
gtagctatag tccgagggt cgtattttaa aaattccttc atttttgggt attgtatcgt	80160
accttcgag acgttcacac atcggttgac aaatgagtcg atggacaaga gattttcgtg	80220

tgtctttaac actcttaaca cgggcatcgg tcctgtgttt tttgtgctat atgagaaatg 80280  
 tacgataccg taaagaaaca tcatctgcgg tatgccggca tagtcgggtt ttttacagtc 80340  
 tccccttaat aggggtttgga ttcctaggtt attaaatttg agtagtagag cttctacttc 80400  
 atctacgtca tccaacgttt cgtctacgaa tgtcgcatct gatatgaaac ggtattcttc 80460  
 atcgactacg tctttttcga ctatcaatag tagatcgtct gtcaatgtct gtttgaatat 80520  
 gaatgaactt ttcctataag gggctttaaa gtttatgtcg gtggtatttc catacatcat 80580  
 agtcagatct cctgcgggat tttggatgta cagtatcata aagtccggag taaagaaatg 80640  
 ggtatagatg ttttcgcccc catagcgtgt aatttttagcg catctaactt ggactggaaa 80700  
 gatcagttcg ttgagagaat taggcagctt acaggaaacg ttgtcgtatt gcactgtcgc 80760  
 gacttcaca accctgatgt aataaattcc gtgtgaaggg tacaggttta aggaatagac 80820  
 aatctgcggt tggatagagt gatccaggtt aaattgcttg accgcaggta cggtagaaag 80880  
 tcttaaaata tcgttcattg gcggctcata gaaacgtgta acgcgttttt cataattggt 80940  
 taacgattct gtcgtgttga tggcatcaaa cagatggtac gtgatatcgg atccgagtaa 81000  
 gcatttaggg acttgatata tccgagtgtc gttttttgta taaaagttaa aagttataaa 81060  
 gcccgggcga acaattggat tttcagagtt tccattttta caatggctct cgttcgatat 81120  
 ggtccacggt ctccaactgt aacaggaggt caacagaaca aagaccaga gtcggaagag 81180  
 catagttgtt cttcatcgat gaagtgtgaa aggttctgc tattctttga aagttgaaca 81240  
 ctttttgatc tttccatatt aaatagatta caaaaatgat gtgttatgga actcggaatt 81300  
 gtttctaaat tctccgcgtc tttttttctc cgtcaaataa catgtctttg acaggtttgc 81360  
 ctgatattcg gaaaaaaatt ggacagtttc accatttgag gatctataag cagatcttat 81420  
 ctttgcaagg aaattttgcg cgactaaatt attttttagg agatgtgttt ccggctaatt 81480  
 tgcgatcggc atctgtctcg gtgtttttcg aggtgcgtct agggccacgc attccggatt 81540  
 gtatcgtctt gctaaagagt gtagatgcca aagatgagtt tgcttttcat tgttattttt 81600  
 ttgagtttaa gacgactttg gggaagtcga caatgcagtc tgtgcatcac aactgcattc 81660  
 atcaggcgca atatttgcaa ggtttgagac agttgcatca gtctatttcg ttcttgatc 81720

aatattttaat tgcagacgag gttttgtgga acgttggtcc cgtaatttgt tttttcaggc 81780  
agtggggact caagtttagat ttttttaaaa agttttcggg gaagaccaag cggttgtcat 81840  
tttcgtttat atgtgatttg ttcgctaggt ctcaggatgg cgcagtgcaa tctcttttat 81900  
caatacccaa ttacaccaat tttagaaggg catgtcagaa acatactgat ttgtacagaa 81960  
gaagatatca gaaggcttca aagtcagtcc tctaataagac ttcgggagaa aatagatcaa 82020  
gggcatcgcg acaagttgct aagaatgcgc ctaaaaaccg aattagacgc actgcaaaga 82080  
aagatgcaaa aagacagtga cgttttgaat tctcatttaa aagcgataga ggatgctttg 82140  
ctgttttacga atgatgggga ggtaaacgtc gaaacgaaag ctgatacgca actgttaccg 82200  
aaatctcctg agaggctgga aaaattttaat caagttgcc aataccccact cgaccccttt 82260  
ataagattta cagacgattt tagaggagaa atgatcaata cttttttcaa taatgctcag 82320  
atgtggaatt ttacgttcgg gtcttggttt tataagctca agagggtttt ttacaatgag 82380  
cctggcttaa gaagggcttt aaaaattact aatgtggatt ctttgactat ttcgaaagag 82440  
ttattaacag ttaccgtcaa tgcgttgag caagcgacgg tgtatcctat attcggaagt 82500  
gagatgtcag acctggaagc agccttgtgt atcctggcag ctttttattc cacttatgag 82560  
aattcacaga tcgacgaacg tacaacccta gtagatatta taacccttct gcccgtagata 82620  
tttagattac tcggtagtga aattacagca ttgaaaaatg tctctccttc tggcacctat 82680  
tttgatttta atgatccttc ttgtatgaaa tttttgttc ccatgagaaa aggcaagcat 82740  
tatgcagaaa acacatttgg gaatcatgtg cttgtaaaga tgttgctagg tagaggagt 82800  
atgcaaaaaa ttcccgtga gaaagacagc caaaattttg atgttgaagc tcgcttacac 82860  
ggagccatta agaattgatgt tctggtgtat tggacgtatc agctaattgag accaaaattg 82920  
ggaaataatg ttccaatctt tatacacgat caacattatt tacggtctgg cttggttgca 82980  
attgaaagtc tctttttatt gtggcggatc ttgaactcag aaagtttggt taacaagaga 83040  
gttggaagt ttctcctgac ttcgattttt ccacagctgg agaattgtga tttcgccgaa 83100  
aataactttg aagctgggaa tattcaaaat tttgaatact taatgcacca ttacgttgtg 83160  
cctatgtaca acctgcagaa tgacatatca atttcgactc tttttccgg tctcgtggcc 83220

gtgtgtgtaa atgagagtgt gagattggga tgggaacata agtgtgcagg ggctccgtcc 83280  
 gatgccgttc aggttcaatc taaagaaaat ccgttcgtgg agtatatccg cgcacaaatg 83340  
 gaacaacagg cggatgtggc tatacttgaa aagcatgact gcattctctt tcattttgaa 83400  
 aacggtttaa acattactct atctttttaca ttaccgagac agagattggt tgcaatggcc 83460  
 tcttcattat ttaatgtaaa tgatacttat gatttcatct attttctagt tttaggtttt 83520  
 ctgccaatac cggccattat ataaggcggg atgttggtgt gttgattacg tcaatacga 83580  
 tgggggtttg aatataaaga cttacagagc ttttaatgaa tcattgcttc gtttcttcgg 83640  
 gatggagaaa gaaacaaagt ctttggcttg gccagccacc gcggagtttt atggctgggt 83700  
 attcattttt tcgtccatcc agttgtgtac ggtgggtttt ctgacggtta gatttaatgg 83760  
 tttcaaagtc ggtcgagaat acgctgtgtt tacatttgcc gggatgagct tcaattgttt 83820  
 tttacttccg ataaagatgg gattgctgag tggacattgg actttgccgc gagatttttg 83880  
 cgcaattctt ctctacatcg atgattttt tgcctatttc tcttcgtggg cgttggtgtt 83940  
 tatggcgatt gagcgcatca actacttctg ttacagcaca ccgttggtga acgagaattc 84000  
 caaggctctg gcaaaggtgt gtttcccgat agtttggtgc gtatcgggag tgcaagctct 84060  
 tcagatgctg aataattaca aagccacagc tttgcagaac gagactggac agtgttttct 84120  
 cgcgttttta aggagcggac acgacatgtg gttaatgttg gtttattcgg ttgtgattcc 84180  
 agtcatgctg gtgttttttt acctatacag caaaaatttc atgcttttga aagatgaact 84240  
 ttcgtccgtg actacgtatc tctgtattta tttgctgctg ggtacaatag cgcactgcc 84300  
 gaaagctgcc ttaagtgaat ttgagagtga caaaattttt tatgggtctgc gcgatatttt 84360  
 tatggcgctt cctgttctaa aagtttatta tatatccgt atggcctatt gcatggcatg 84420  
 tgatgatcac accgtgcccg ttcgtttgtg cagtatctgg ctggtcaatt tatgtaagaa 84480  
 atgtttttcg tgtacgcggc gcgaaaagg gtcggattta gaggttgga taaaaatgtt 84540  
 aaaatgagta aggagtttat cgtttttatt cataagagaa taaatcttcg gcgctgattc 84600  
 ctgtaaggtc aaatatggca gaactgtcga gaaactgtgg gttttcagac atgccgcaga 84660  
 agactttaaa gtcgttttgg agaaatgaaa acagtccggc tttgtgctcg gctctttgct 84720

gattgtacgc cagcgtggat atctcaaatt ttccaaacat tataaggtag gcgaaccata 84780  
ggtgttttgc agataagccg tactgctggt tctcgttctt gatccccca aaatcggtta 84840  
aagaatctgc agatttttaa aagtcggtga ttatagatag ctccaacgga gaaaactata 84900  
ttgccttcgc agattatttc ttccggaatt ttgagactta gaccaaactc gtccatgaag 84960  
agaaaattaa ttatgtgact gacatttccg ctgtagtgca gcttttttga aatataatgct 85020  
gagtgacttt cgtaaacaat atgtcggagt agttccgcgt cagaatgctg tttcagaata 85080  
gaaaatagtc gaaaccagta gttgttgctg attttgcgat tcaaaatcac tatgtctccg 85140  
attccagaat tgtataaact ctgcgtagt agtaagatct tgattccgtg tgacagcatt 85200  
gatgtacaga catgttgaat taaaagtagt tcttcttggt taaagctagt cagattctcg 85260  
tttctaagca gttttgtggt tatgtgtaat attaaattag ggacggcgctc gttcagtttt 85320  
atgtactgtc ctatctgggt catctcaaga tgtctaaagt ttgggtaggt ggattcctct 85380  
gtgtctatgg tgaagaaccg tcggaagaat gtttagctct gccagagac acggttcaaa 85440  
aagaattgcg gtccggaaat attcctttgc cgttgaatat taatcacaac gaaaaggcca 85500  
ctattggaat ggtacgtggt cttttcgatt tagagcatgg gcttttctgc gttgcgcaga 85560  
tacagtctca aacgttcatt gacatcataa gaaatattgc tagtaagtca aagttgatcg 85620  
cagcaggttc ggtaattgaa cctttaccac cggaccgga aattgagtgt ttaagttcaa 85680  
gttttctggt tctatcgctt tctagcaaag ttttacagga tgaaaattta gacggtaaac 85740  
cgttttttca tcatgtgtct gtatgtggag tcggtcggag accgggaact atagcgattt 85800  
tcggacgaga aataagctgg attctagata ggttttcatg catcagcgag agtgaaaaga 85860  
gacaagtttt ggaggggggc aatgtttatt ctacagggtt cgatgaaaat ttattttcgg 85920  
cggatttata tgacttgctc gcggatagtt tggatacatc ctatattaga aaacggtttc 85980  
caaagttgca gttggataaa cagctatgtg gtttgtctaa atgtacgtat attaaagcta 86040  
gtgaaccacc ggtggagatt attgtagcaa cgggcaaagt tgccggtgat caagttcagt 86100  
taactacgga acctgggtct gaattagcgg ttgaaacgtg tgacgtgtcg gttgtgcacg 86160  
ggaattacga cgccgttgaa tctgcgacag ctacaacggc tatgagtaat caaaatctgc 86220

caaatactac ccctttgctg tcaagtccac cgttttcgga ttgtgttttt ttaccgaaag 86280  
 atgctttttt ttctctttta aatgttacaa ctggacagca gccgaaagta gttccacctg 86340  
 tttctgttca tccgcccgtg actgaacagt atcaaagtct accgtattcg gagtcggctg 86400  
 ctaagattgc agaacaggag tcgaatcgat atcacagtcc ttgtcaggca atgtatccct 86460  
 attggcaata ttccccggtt ccccagtatc eggccgtggt acacggttat cgtcaaccga 86520  
 aaacgtttta aaagcggcat ttccagagtg attcggaaga tgaattaagt ttcccgggag 86580  
 atccggaata tacaaaaaaa aggaggcgcc ataaagttga caacgacgac gataaggaga 86640  
 tggctcgaga aaagaacgat ttaagagaat tgggtggatat gataggaatg ttaagacaag 86700  
 agattaatgc tttgaagcac gttcgcgctc aatcgccgca gagacatgtc gttccgatgg 86760  
 agactctacc tacgatcgag gagaaaggcg ccgcgtcccc aaagccgtct attttaaacg 86820  
 cttctttgac gcctgaaacg gtaaacagga gccttgctgg tcagaacgaa tccatggatc 86880  
 tgctaaaact caacaagaaa ttgtttgttg acgcgttaaa taaaatggat agctaaaatg 86940  
 tgttttttta tgttgtgatc aagtgggtgt taggtgctg ttatggggaa gatctatgag 87000  
 aattatgact gacaaggtat atggcgaatg cccacatttc cttcaaagtg aattcctgga 87060  
 catggtgaaa cttacacat aattgtttac cgacgcgtta aataaaacgg atggttaaaa 87120  
 gttgttgttt tggtttttta ttttcgtata aaatgggtatt taggagctag ttacggggaa 87180  
 gatctatggg agtaattatt gtgacaaggt atgaaacgaa tgccgacgtc tccttctaata 87240  
 atcgtaggc tttgtggggt ttcaggcggc atgaattcca tgcgagtaga ttctccgggt 87300  
 tttagaaaaa agtgcaaggg taccaaagt tctttgtcga acgcgatgcg gaggatgttc 87360  
 aaaaaaatgc ccatgctgat ctctgggtgtt acgtgcgcga ccgtgggttag acttgggtgct 87420  
 cgcgatactg gctggcttgc gagagctaca atgtctttta cgggaccatt tggagattct 87480  
 atgtttacat aaatgttgct ctttctgtc cagctgaatt cgatattatt ccccggtggt 87540  
 aaaatttgct tggggaagaa gaatactttg cctagttctt gcgagtaatt gatgcgacag 87600  
 ttctttttct gtgctttcat ggtgatgtag agaggccgcg tctcgtccca aatgcagggt 87660  
 gttatagaga ttccgtgcaa gagtttgggg ataaagaaac ccgtaaagtt tgaatttgat 87720

tcgaagatag tgtggaaaga gcaatggaaa ggcgtaatca ggtagagac gatattttta 87780  
 gttgcgccga cagttattga accgacgttg catTTTTAGAA gtgtttcttg attctgcgac 87840  
 attgtgatgt ctgcggtgtg gggggtcagt gaaagtTgta tgTtaagttt ttcgggaaaa 87900  
 aaagtatcat caaggagata gtcgttttcg tacactgtct tcaaaattaa tagatttcca 87960  
 caaagtaaga ttctagagat ggagacgtgt cgggttgata taaattcaat tttagcagag 88020  
 ttaaaaaattt ggtcgagcgg agtgttttgg agattgatcc atatatctgc gttaaataaa 88080  
 tatcgtgttg gctcttctgg tgTTTTTtct gtccatcgta tatcagccgc gtaaatttta 88140  
 atgcgcgtga gagggccata tagaataaac tgcgcctcgc actgtccgtg gggtatggcg 88200  
 tggcgatcgt aggttcgat gcgttgacc ggtaaatttg ataaagtcac gttcgcgtaa 88260  
 gggagtgcga atatgttaag aacgatgggt aatctgccga gatccagatc tagatctgag 88320  
 atgttatgca ccgcaaaggg tatgttgccg taatcttttg gatcgatgta agtaaaaggc 88380  
 gatgctgcaa aactgctttc gtctctacaa gtgcacacca cgctggatga aggggggcag 88440  
 atacctaate cgcatttaaa atatctcagt tcgccgggtt ttaatatggc ggcagttgtt 88500  
 aatcttagct gtagtacgta cgaagacat ttagagtgg cgggttgcat gtttgctttt 88560  
 ctggatgtat gaggggaatc ctgtagtgt attttgatg ttaaatagtt gatgtaaacg 88620  
 tagagagtca tatgcgcatt ttataatag agtgttttcc caccgacggg aggatctgcg 88680  
 ggtttccacg cgcaggcttg tcttcgtatt ctaaaggatg tagtgtgagt tccggtagca 88740  
 agtatgcagg aaaacaattg cccatgaagt gtacttcgaa tggttgctcg gtattctccg 88800  
 tgtgtgttaa aagagatttc atgtcgctgt ttgagaggga acgaaacggc tttctaaaca 88860  
 acttcttcgt cacaaaaaag atacgaccta acatgtcgtg ttcggttacg gaaactgttt 88920  
 tttcgcacga aatccgcaat tttacgggtt cttgggcaaa ccataaaaat gggtagcgt 88980  
 tgaagacatg cgtctgaaca gggatgaaga tgcctacgat tttttgtta gtgaacttgc 89040  
 cgcgtagcgt gatctctttg tttgtattaa ttactaagga catatcgctg ggaaagaaaa 89100  
 cctctagact ctttccgtct gcgcagattt tgaaatacgg catattcata ttcagcgtga 89160  
 cggtagtccg attcggaggg gaaaaggtca agcgaagata acattctttc gtgattggaa 89220

accgtcgtc gttttccggc aacactacgt tacgtaaaaa gattgtgaga aaaggatcgt 89280  
 taaattctat tttgtagata gaaatgccgg gttcggaaat catgttgact ctgcagagtg 89340  
 gaatcatact ttcgaatagg tttttccaat aggaacattt tctggtatcg atgctgaacg 89400  
 cgctaaaaac tattagcage tttctgccat agcgggtctaa tttttgagac tgataaggac 89460  
 tttctgtcca gcttaggtta agtaagatca aagacgtttc aacgctatca ttcgaaacga 89520  
 ctttaaattg atttatcacg ttggttgtcg agatcggcat gttggtcagg ccatattgtt 89580  
 cgtatacgat tggatcgatg ttttcttttt ggcatagcgc attgatgtcg tcaatctcca 89640  
 gtgcaggatga cggcagataa atgggtatgg agaataaatg aatccgtacg ggaactgtcc 89700  
 tagaaatagg taaaatTTTT attttgatag tcattgtatt ttcgagaaac tgtacatcga 89760  
 acaggacgtc ctcagtttct gattcagtgc catctgttat gaataggatt cctggttttg 89820  
 tgcttgagat tcgacatttc aacgtgattt cttggtaaga attcggaaca atgtgattgc 89880  
 aatcaaaaaac aagctgtaag acatgattta gttgaggaga atacatgttg gtacaaaaaa 89940  
 acattttatg tttcaccttg ctttttaaat actgtgtttt ttttaaggat gaggtaattt 90000  
 tacatgacgg atggaggacg cgggtgttca ggcggggtgt gtttttataa tctgcgtat 90060  
 aagtgataga aaagtcatag taggccagtg tgttttttaa aagcatttaa tttttataaa 90120  
 tacatgtagc cattctatta tctgcggaaa cgtcacagac aacaaaatac gttttctcgt 90180  
 tggtaaaga attaatTTGG tcgatcatag ttaagactga tttgattttt ttttaattcgt 90240  
 ctttgatgtc cgtagcgtga agttgtccgc agcgtgtgt gcttaacgtt gttcttttag 90300  
 ataatagttc ttggcatttg atcaaaagca ttgaatggtc ttccagcgtt agccgatcta 90360  
 tgtaagttct cacgatgtct ggggccatgg ccgtgatcat ggacagcgag atgcaggctg 90420  
 ttttcatgga gtacattgat tgtttgtcgt tgactatgtc tggtaatTTA atgagtacgt 90480  
 ctctgtattg gatagagcat aactcatcga tgattgtttg catctcattg tattctctgt 90540  
 gaactgctat aagaccaatg catagcaatc tgatgttgat ctcggccgca atggcggtcg 90600  
 gaacgactaa aggtacagtg agctcccaat caccagttt caatagcttt tcttccgagt 90660  
 gcgtcgataa aggtggaatc aatgtcaagg tgtcaccctt ttcccagggg aagggtcctg 90720

tgttctttat ggcatactgc tggccgggtca tcggctttct caaaaattagt tgattacctt 90780  
 ccaccttctg cagaatgggt acgaccatgg tccgtaatac gttccggatg tggacgtaat 90840  
 ctttgttgga ggagacgatg ggataaagac ctaaattgcc gctacctatt agatgggtgg 90900  
 gagctgggat cggtatgacg atgttcatga gcttgacagag ggtgctgata tcggaaagtg 90960  
 acagtttgtg atcgaaagtg cagtagacgg tttccatttt atatggatga ttcgataata 91020  
 agttggagag gtatggtttc tcctatggcg tagttacaat aatgggtttc gctgatctgc 91080  
 gtattgcctg ttttagaccg actctctaata agagcttggt tggatgaaca gtgaagaggc 91140  
 agagcgtttt gtaagaactg gcatggctctg cttacgaagc tatccgtgcc ctcagagcac 91200  
 gagtattgta tttcgctatc gctgtttaaa catgaatttg atttcatgca gtattcgttt 91260  
 atcactttgt acatcatctt gttcgttttt aagatgtcag attcggtaaa aaattgagcg 91320  
 ttaggactgt atgtcttggg attgtaacat agttgttctc tgtgtgccgt gttgtacagg 91380  
 atatcgcccta aggagcctgg tagagatgcc caaggatttg tggttgcggc aaatgtatcg 91440  
 ctgtctgttt ggggtgtgatc gtacaatgct tttctagccg cctcttcgtt gtgtgggtcc 91500  
 gttcccatca tacacgattc cctgcctctg gggttatggg gcaatttgaa aaagttaata 91560  
 tttgtcgtga ccggagtcag tacgacttcg cagatagctt gttgaccatg cagcagtatg 91620  
 gaggggtgggt ttttgtaaat tccgccgaat gttatgatgt ttagtgccct gccctcggag 91680  
 ggattaggtt tttctatccc gacgtgatgc cgaatccacg tatttatgtc cgtgttggtgta 91740  
 aacgcgtgta tcgggaaggc ggagaaaagg ttttgtatct tgcttcccat gtctgattta 91800  
 attcgcttaa gattggcagt ggcgggtggtg gaactaaaac ctaagcccat atctacaaaa 91860  
 cttagatgct ggggtgaagtt gtaagtgggt acgatatctt tagcttccgc ggtgaccgtg 91920  
 ggatcgtcta aaattataga tgtggctgcc ctggagctgt acaacaggca ctcgacgtcg 91980  
 aaattatccg tccggactag tgtggccgca aagcccggat ggattttgct tttgctttgg 92040  
 atcgctatgg caacgggaga cagttttgag tgcattggcg caagcgtcat aatgctcaac 92100  
 agggatttgg ggcagaaggc tgagtacacg gaaaacggtg ttcgttgcca attataaaat 92160  
 tctaattgcta atgggggcgg gagaggaaaa ccgccgtcgt ttctttgata gtgaggaaat 92220

gtatttagga aaacttggat atcagcattc atgggtgccgc agattcccgg gtcagagaag 92280  
 aatcgatgaa atgggattgg ctgatagtag cgtcttaggg tggatgatcgg tgagatcagg 92340  
 caaagcccat tgtatagaat gtgtttagt gattgaaaat gaacggaatt gccgtgtcgc 92400  
 tgcgcagggt ctaaggagac ctccacttcc agtattttcg tattttcatt aatgtagatt 92460  
 agcgatttaa acagctgttt cgcgatagat gatgtattgg ctatgggtga gccaggaccc 92520  
 atagcttctc gtatcagaga cattaggacg tcgctgctga tcggattctc ctggaacaa 92580  
 tcatctggac agataaacgg ttccgtgtag aataagtcta gaactagttc ctttacgttg 92640  
 acgccagcgc cacaggcctt gttatttgat agtgccggga gtacgcagaa gtaaaagatc 92700  
 ttgctcagga tgggtgtttc gttcgatggg ctgtcattgt cggatgaagac gacgcttgaa 92760  
 tctattagat tcattctttg cacatcggag atttcgtaat ttctaactct tacggtgttc 92820  
 tgtgtcagtg gtgtatcatc cgctgttatt tttgcattcg tgcgttttct gggcatggta 92880  
 tgaacgaacg ggcagaacag acgtccgtcg aacaatgcgt tggcgaaatt caccagaggt 92940  
 tcgccgcaa gttgctcgtt gatgttggag atagagattg tcctcttcac taggcgaatt 93000  
 agcgacacaa gatttctgta gtgagcgaaa gctgctcctg ggatcagttc gtcacccatg 93060  
 tggttagaga ttagcatgat catctcgaag ctgttgcaaa aaagaagtat atgtttcatg 93120  
 ttaaaccaat aagaaataca ctggctaatt acttgtttta agatcatgaa agcatgcttg 93180  
 tttccatgaa ctaagatctc gataacgtaa gccaatctg ggtacgagcc actcgtcaag 93240  
 ctttcggtga caattttgag ggtgaagtcg tagttgtggg agtttgtctt tgcatgttcc 93300  
 agcatttgat ttgtacgggc ttcgtggaaa gagattggag ctagaggtaa aggcattgtg 93360  
 cctatcatta ttcttggcgt gcagagtact tctgtggctc ggtttttctg gatatacgtg 93420  
 agatcaaaga aggggtgtct ttcggtcggc agagttggat tgtccggttt gtaaaagtct 93480  
 tcaacgttta gttcgttttt taagacgttg gtgttttttg gtacttcttg tcgactttcg 93540  
 tataagttgt ataaggtctg taagatcctg gttgggtttt ctcgggtaat tttcagttga 93600  
 catagttgag aaaagcgggt gccggtaggc aatggttcgt ttttcatgag tcgttcgacg 93660  
 atggtcgagt cgtggacaat gggatggcaa accgacggca gtatgtcggc aaaatcaatt 93720

cgctgcacga cttggtcttt attgtggaaa aaaacgctgg tgggtaggtt gttttccatg 93780  
 gtgtcgttta atttcacacg tgtttccatt gtactgaaac cggtttctgt cggtatgtag 93840  
 atacccaaag ggaaaaagaa tgtcagttgt aagctttgtt ctagcggatc gttgacgtct 93900  
 gtgtttttgt aaactttgtg taggtggctg aatgcgacta atttatctcc cagttttaac 93960  
 gtgttcagtt ttaggtcggc gtacgcgcgg cttttgtcaa agatttctga tttgttgta 94020  
 gtgtcttggt gttctgtccc ggcgttcacg gtgaattgag taaaatcggc catgattgca 94080  
 cggtatgcaa tcgcagtcac tgcgttttct ttgccataa taaagtgacc atatgagatg 94140  
 ggggcggaga cgacctgtgt ggagatgtac tgggagagta tgttggtgag tttttggata 94200  
 gagccgatcg gtcctaataa aacaccgtct agggggatgt tttctttgga agtgtagttg 94260  
 ttcgtatcat ttagaatgct ttccgtgacc gattccatca tgcgttcag aattctatag 94320  
 atatacgaac tattattatt cctgttcaag aaaaataatg acgttaacaa tctgtttttt 94380  
 aggctctgaa acatgttgct gcgctgtact cggctcagag cttgtttatt atgtactttg 94440  
 ttctcattca tggtcaggac gataaattgc gggggagatt ttctcaataa ggtttgcatg 94500  
 aatgcgtgaa tcagacctcg ttcgagcgaa tcggctgaat tctttaaaga tcttaaaact 94560  
 gtatgcaacg cattgatgtt taaaatctga tcgatgactg tgtttttaaa agtgttttcc 94620  
 agatgctcca gacaggcagc actcaaactg aacgatatgt ttatggggtg tttttctgag 94680  
 tgtttggtta ccatgatggt ggtttctttt ggagcagtta cgtcgtttcc tgtggcgact 94740  
 ctgggtaatt ggataaagaa gagaaccttc ccgagggtca ttcgactcac atcgttgaag 94800  
 cgaattacgt tcgccgaac ggcgatcggc gtggtgaaaa agttgatcca ttctattttg 94860  
 ttgcagtaga ttccgagcaa ggcttcaaaa ctgatgttgt aacggctcgg atcgtcaccg 94920  
 aaataaattc gcaaattgtc aaaaagtgtg tcggccgtgt atgttttaat gtcattgaaa 94980  
 atatttagag gtgcttcgat tttaggtaaa atttcggctg cctgccatt ttccatgttt 95040  
 cggcgttatg cagcacaccg gtaattgtga aactttaata gttaattcat gttttggttc 95100  
 cacttgatga cggtcgattc cagtttttat agattcctgt gatctgaccg ctgaagtgtc 95160  
 tcgcgacgag gaaactcgtt tagcgcgatc tgtgcctgta gttctggaaa agatcgagtc 95220

aatcatagag aaaatttttc aaacgtctgg gccaaatata gttcacgata aagacagggc 95280  
taaaaattgcc ttgtgtcgtc tgttgtagg accggttgcg gtgcatggt tctgtgaaga 95340  
gtgggacacc aacgactatt tatcgaaatc tggatgtaaa tgtctaggtc cgatcttata 95400  
tattcatacc agtcgatgtc gctgtagcga tattccgggt ttttaagtttt ccattatgaa 95460  
agattactac gottcacacg tggtcagagg tttattatct ctgaaagagt ggaatacaca 95520  
tctaccgaat gtattgtgta cgtgcgagtt gtcgatgagc gatagatatg tggcgaccgt 95580  
gtttcctaag cagaattcta tataatctaga atactatccg tttttttgt gttatctgtg 95640  
tcgctatctt actgtcattg agattgagca gtgtacaaat gatttaattt cgcttcttgg 95700  
tcctaaagta gctcagcgag tcataattca ttttaaactg cttttcggtt ttcgtcacia 95760  
gccgcatatg ggcaactgtt attcgtggtt ctgggaaaat ttttttatgc tagaattgca 95820  
taagctttgg ttaaccgtag tcaaacataa ccgggtgaca acagatttct ttaatgtagt 95880  
ctatgagaaa attcaaaact ataaacaata cgccatcaag actttgagaa tgctgtctaa 95940  
ggcggttcct gcaatacaga ggttttggtt ggcaaaattt aaacagcaac tcttgtatct 96000  
aaatattaag gttacggtaa aaaaaaataa gcgagaactg tgtttgaatg gttttgttta 96060  
cggtaaaaca ttgtatgtcg ttgaatcttc tcagttaata tttcgaaatt tgcttctgtt 96120  
gtattacgat tacagtttgc cgggcgaatg caaaacaaac gaagaaaacg ttttgacgac 96180  
tcattacata cgggtaattt cgagattgtc gttaagcag tctcgaagtg cgggtcccgcc 96240  
aggcgtgaga ccagatttta ccttcgtggc acaactgcct aaacgtaaag agttgcctaa 96300  
tgtccccggt ggtattgatt ttgctgaaat tacctcagt aggcattggcg cggtaattct 96360  
taacgcgttt aatacgaaca aagtcatgaa tttaaaagca accatttcaa aaagggctaa 96420  
ttttgtgtat catcgcatc ctaagacaat gactcacagt tttgtcatgt acaagcatac 96480  
atttaaagaa cctgcgttta ctgtaagcac gtttgtttca aatgatgatt tagatatgag 96540  
ttcattgaat atcaatatac gtggacctta ttgcgacttt ttatatgcct taggcgttta 96600  
taagatgcat gtttctatcc aagatctgtt tttgccggcg ttcgtttgca atagcaataa 96660  
ttcagtggat ttacaggac tggaagatca agatgttgtg agaaatagaa agaaaaaggt 96720

gtattggatc actaactttc cgtgcatgat ttctaatagcc aacaaaagtga atgtgggatg 96780  
gtttaaagca ggaacaggta ttattcctcg ggtgtctggc aaagaccttc aaaatgtttt 96840  
gcttcaggaa ttaaataacg ttcgagagat tccagggtta gtctttgata tggatttgca 96900  
tcaattgctt gttttgctgg aacagcggaa tctacatcag attccgtttc tcgttaaaca 96960  
gtttcttatt tttttacgtc ttggcctgtt aatgggttac gggcactctc ggcgtaacaa 97020  
ggtgcatgat atcatgttac acttaatttc gaatggcctt tttgatttta ataagaactc 97080  
cgtagcaaat acaaaaatca aacacgggtg tgctttgggtt gggacgcggc tcgccaacaa 97140  
tgtttcgaaa atcattgcta ggcagaagaa aatgaagcta gatcacatgg gacgaaatgc 97200  
taattcgctt gccgtgttgc gttttatcgt taaaagtggg gaacataaaa ataaaactgt 97260  
tttcattaaa ctgttggaat atttagcgga aacctcaact gccataaata cgcggaatga 97320  
agtcgccaga ttacttcaga ctctgacgac taatatgaaa acatgaatgt acccatggcc 97380  
gacgaatggt tcgattgcgc gattagggtta gattcggaaa ccatagctgt ccatgaaatt 97440  
ttcaattcgg atttaagtaa actgcttaac ttgcaactga aaacggtcta tatgtccgat 97500  
ctgtgcgcct ttattttctgg ttgtgttaat cggaatgttg gtaaaacttac catatattgg 97560  
cacgtgtacg gagacataat ctacgcattg acgggtatth tacattgtgt aaaaataacg 97620  
atagagtgcg gggagagaat tgccgatggt cgatatagat tatacgaagt tccgaaatta 97680  
tttttaatga gaggacagtc aacaccctg gaactgaagt ggaagcacgc cgtgggtatc 97740  
gcgacgacga ataagccttt gctgacgcac gttttaacag atgtgttgga aacctctcct 97800  
tttaccttgc cagatacgtc tctgtcgggtg caggagtgtg ctattttcag agagagattg 97860  
tcgtatattt actatgtgct cgggttagat gttgatatcg tagcgcggac agagaggag 97920  
atttttcaaa aatgtgcaga actagctcgc ctacaacaag tctttcttat tcaaggaaat 97980  
attatggaaa actttgtcct cgttcaggcg tgtctatttc agctgggggc tgatggtttg 98040  
tggaagaga tgtctggctc tgtacgtcct aggccggagt tgatgtctag tgcgttcatt 98100  
caacacagag taatggtgaa taattgttat tgtctcgctg tcattcttaa tgccatttat 98160  
aaacacaaaag tttccctgcc taccgtagaa agaagccacg aaatcgttca tcgtgtagtt 98220

caggaatatt ataagtctta tgtgaatgct cctctctctg tttttgtgtg tgcgactaag 98280  
gtgcttacct tgtttacaga agaataaac tttcagtcag ctctcgtatt tgtcagtcag 98340  
tttttccagg tggacgtcga ggcttcgaga gcggatgtga ttcgtctgtt tttagcgtgt 98400  
ctgaagggtg attagatctc tcggaaagag gctgaactgt ttccagagca cacataaatc 98460  
gccataatta tggcgataat taagtcgtca gaacaggctt gtttttttagc gctgtatgtt 98520  
atgtaattgt taacggagat ctggtgaatg tttctgattt gttctagtgc gtattctacg 98580  
ggatcgtagg tgatttttat tgtaaacgat atcaattcct gtgatgcctt gatgtttcct 98640  
gaattaaaat tcgagatgaa aaactcaact gctagttttt tttctttacc gagtaggtaa 98700  
aatggctgtg ctatctgatt ctggtctggg gtgtggaaaa aagtcacctg tatagattta 98760  
ttagccgtga tgttttcctt tatgatacat gcgattttta cggcagaagc ttgattggaa 98820  
ttcccttcta tgatgatttt tacttccgtg aagaaaggat gtaggtctag gattgacaat 98880  
atcatatgcg cggcacattc agctattgct gtgtcggaaac tcgtcattaa actttctaga 98940  
aagtagtgct ccatgccgta gacgatatat tgatctagat aggtgcctat cgctgctatg 99000  
ccagtgccag aagcacggcg gttgcctgta taggcaggat ctaggtatac gtacagatct 99060  
ttacctaaaa aaggaattag atttttattg atgggtgctgt atcggaaaaa ctcgaattcg 99120  
gtttggcctt gttccgtaat taaaacgtcg ttgatcacat tgcaagtggc tccgccccatg 99180  
atttcatgga tgaaagctcc ttctaggaag aggttggccg tttttttaac ttcggcgtta 99240  
atgctgatga acttgggttt gtggagtcgg tagcaagaac aggctgtggc gttaccgcgt 99300  
tcgttttagca tatgggcgtg atcttcgcat acgtaagaaa ctacggagag catttcaaac 99360  
ggagagttgt tcagcttcat taaaaagaa gttgaatggt ttccggaatt ggtcgaagat 99420  
ataaatagga tcttggtaga tgcttggggc aggaaaccta aaatcgtgct gaacgcgtct 99480  
ttctttataa agtggctctc gtcgacaata agtagattga agctttgtcc gcgtatactc 99540  
tgagagggga atgaattcgg cgttaaacga gataaaagac gattttgaga actgtgaaac 99600  
gaaaaacgac ctttttaaaa taattgataa aataagcaaa aattgcaatt ttatagtgga 99660  
acaggtcgag tccttgccctc ggagggtgga ttcagcggt atcctatttg ataatctcgc 99720

ggtggagata tttacgatg taatatatcg acaaaatgga gatggcgttc ccgcgaaaat 99780  
 acgacagggt aacgggcaga atattgacac ataagaataa ccagatgtgc acaaccgaat 99840  
 gttctcagat gtataattta cataatccta tcacgtttga gttgggactt ggaaacgtgt 99900  
 ttgtctgtat gcggtgttt acggttcacc actgtgatat gcaaactgac tgtaccattg 99960  
 tcaacacgca tgaggggtat gtctgtgcga aaacgggttt attttatagc ggttggatgc 100020  
 ctacatatgc cgactgtttc ttagaaccaa tctgtgagcc gaatatcgaa acggttaatg 100080  
 tcgtggtggt attgttatct tatgtatata gttttctgat ggaaaacaag gaacgatatg 100140  
 ctgccattat tgatagcatt attaaagatg gaaaatttat aaaaaacgtg gaagacgccg 100200  
 tgttttatac ttttaatgct gtttttacga actcaacttt caataagatt cttttgacga 100260  
 cgataagtcg gctttttgtt cagttgatta taggaggaca cgctaaagga acgatttatg 100320  
 acagtaatgt aattcgcgtc agtcgtcgga aacgagaaga cagtttacta aaaaagatga 100380  
 gattggagta tggaaacgca cttatactat gacaccctgt accaatatca aggcggagtg 100440  
 tatccgcccc atatttgcct gccgacagat gcgtatcttc cgatgagagt ggattgtatc 100500  
 gagtctttat attttcggtg tgtatttttc aagaatggga tgcattatac tgaatggagt 100560  
 aaattaaagt ttactgtgat ttcacgtgaa ataaagttta aagatgtgtt aaagaatgct 100620  
 gactttgacg aactttttac cggtttggtg gtaatgacta ttccaattcc gatagtagat 100680  
 tttcattttg atatcgatc tgtaattttg aaattggttt atccgcagtt agtgcaccga 100740  
 gaaatagtgc tgaggctcta cgatctcata tgcacagac cttcgtcaga ccggccgctc 100800  
 gaagtatcag ctaaaaatat tggatattgat ttctatcaac taacttcaca gggaaataga 100860  
 caaacacccg atgaggaaaa acgttgtcta ttttttcagc agggaccttt agagccaccc 100920  
 tctaccgtca gaggcttaaa ggcaaccggc aatgcaaagc cgatgcagat tcccgctcat 100980  
 gtcaacgaaa aaatgaccga atctttttta agcgatagtt ggttcgaaca aaaggtcaga 101040  
 tgcaaaaaaa tattggattt tactcaaacg tatcgagtcg tggatatgtg gtacgagctt 101100  
 tcgttttccc gcgagatgca gatcgagaat aatttactgt ccgcttccca gctaaagcgg 101160  
 gttaacgctg cggatttttg ggatagaact gatcggtatt tgcgagatat tgggagcagg 101220

gtattgacac acatcgtgaa aacgcttcag attcataata ggcaatttaa acagaaattt 101280  
 aattgcaatt tcccagttaa tttcagcttt gaacatctat tatcatttat gcagctcggg 101340  
 aaagattttt ggatttttaa ctttaacttta gacagctgca ttattaaggc aattatctgt 101400  
 ttccctagggt ttcgaaacgg gagaaaaatct tttttagctc aagatgaagt ttggggagat 101460  
 ttaatagact gttctaaagg atcggtgatc tatggggaaa agatccaatg gatttttagac 101520  
 tcgactaaca atttatattc gacgcgtcgt gaaaaacaga ataagtcgtg ggaattatat 101580  
 gttgattgct gtgctttgta tgtatctgaa aagtttagagt tggattttgt gctacccggc 101640  
 ggttttgcaa tcaccggtaa attcgtctt actgatggcg atatcgactt tttcaattgg 101700  
 cgatttgggt tatcttagaa attttttgca gaatgaatgt aactggttca ggatttgtaa 101760  
 aaaaacattc tatcgcgaa atcgcagcgt tgcgacatcg tctctatat tttcgttgaa 101820  
 gaataagcct aagaaatatt gcatgcattg cgagatggta gtgctcaagc gaagtcatga 101880  
 atttatgttc agccttgagg taaacggcat acattttgga cagtttttga ccggaataat 101940  
 gaaatttaag aagaaacagg ttgcggaagg gctctgttac tatgtattgg aattgggaag 102000  
 cataagccct gtggatttga gctttatccc aaaatataat tctgactgtg ttacaagcat 102060  
 gcattgtgtt acaccggagc ttatttatga aaattgctct attgtgtgtc ccgaagaggc 102120  
 aagtcgcctc acagtaaaag ggcccgggga caataaattg attccttttag gtgggtgtgg 102180  
 agtatgggtg ctgaaaaatg gtggcgatct gtatatctat gctttcgtac tcgtttacga 102240  
 tctttacgta gcttgttatg acaaaacat ctttccatct ctggcaaaaa ttgtttttga 102300  
 tatgatagct tgcgattccg aagattgcgt cttttgtaaa gatcacaaca aacatgtatc 102360  
 gcaagccgga catattgtag ggtgcgtctc taatcaagaa acctgttttt gctacacacc 102420  
 gtgtcaaaaa aaaatgactg atattaacaa tccggagtta atctctttgc tctgtgatca 102480  
 ggaaattaat aagatagata ttatgtatcc cgagaaaaaa gcaccgttat cacttgacat 102540  
 taattcttac gttcatgggt acatcggcga cgagccttgt gcgttaaaat gtgttaattg 102600  
 gatgccaatc aggatcagct cagctctgag caggctgatt attttgtcat gtcctgtgtg 102660  
 taagcgtgtg gtaatggact aagtgtgcgt tattttctgt attaatTTTT tgtttctgaa 102720

aataaaattg aattgatagt acttacgtgt gtattgtagc agctggcgaa aagtgtgtg 102780  
ctctttatat tttgatggtc gattgtaatt acattatcca ggcatgtgat tgtcttttct 102840  
ggaaacattc ggcggcattt aaactcgact tctttcatca caaagtgaga tacatgtttt 102900  
tgatgtgcta cgtaaccgat gctgattcct tcaatgtttt tcaataaaaa acttataatt 102960  
ggaactatga accacgtttt tccatgtctt cttgggacta ggaatacgtt agttttttgt 103020  
ttcagcgtat tcagagtact ttcgtttacg aattcaatgt cgaacacgtg ggtcagatag 103080  
ttgataacac gattggctaa agccggaagt ttggtgacgg cgatgaaaaa gattacatgt 103140  
atgagaatgt tcttctgaaa tggttccagt tgtattttgc gcgtgtctcc aaactcgttg 103200  
aattctcctt tgatccattt tctgaaatct ttgataaaac catctatttg caagaatagc 103260  
ggttcacgat atagaatcct aaaggattcg agaaactctg tgtattgtga ttcaaaggat 103320  
ttgtcggaag cgggtaagaa cttcatttct tgtagcttgc gcgtaaggct cggtagtata 103380  
gtaagaggct tacggttttt aagatgtcgc tgtttttcac agaatgtata tagaggtttt 103440  
acctgttggg tatatgaatg ggctaaccgg agttctggcg tgagcattat aaaacgcttc 103500  
ttatagaaga tggcactgtt ggggtatttg gtagatatcg tagaacagtt tctttcgcct 103560  
ttccatatga tcgcttcata gttgtttttt atgtgggtta tgtcgcaggc acgtagcatg 103620  
gagcccgacc ttacgctggc ggcggtctat caggcggcgg cgaacctcac agagcaggat 103680  
aaggagattt tttccgaagc ggtaaaaact gcgttttcag tgtgtagttc ggcagcccg 103740  
agcgctaggt tgagaatgat cgaaacgcct acacagaatt ttatgtttgt gacgagcgtt 103800  
attccttcgg gtgtgccgtc tggtgaaaaa aaaacaaagt taaatatcga tgccgctctg 103860  
gataatttgg ctttgtcgtt tgcgaaacaa aaatcaaaaa agatggctag aacgtatttg 103920  
ctgcagaacg tttcgcggac tcaagatcaa caagttgcc a tttcggggac gtacatttta 103980  
tatacaaaaa aacacattga aacgtctttg atgctcgata agacgaagtt agttaacaa 104040  
attcttgagt atgccgagac ccctaactcg ttaggggtata ccgatgtgcg tgatcttgaa 104100  
tgtttacttt ggttgggtgt ctgtggccct aaaagttttt gccagtcaga cagttgtttc 104160  
ggatacagta agacgggata taatgccgca tttccgaatc tattgcctcc gtatctgtac 104220

gaatgcggcc agaataatgg actgtttttt ggcattgtgc aagcttacgt gttttcttgg 104280  
 tactcagatt ttgatttttc agcgctagag atttcagaac gcgctcgtcg tcgaatcagg 104340  
 tcactcctgt acgacttaaa acagaagttt tcggagcaag aaatttctgt tttaccggta 104400  
 gcgtcacaga tgtgtatctt ctgtgcatta tataaacaaa acaaacttag tctagaatac 104460  
 gtttctggtg acttaaagac ttctgttttt agtccaatta taataaagga ttgtttatgc 104520  
 gtgcagacga caatttctac aactcagatg ctgccaggta caaagagctc agcgatatatt 104580  
 ccggtatatg accttcgtaa gctgctcagt gcacttgtca tttcggaagg tagcgtcaga 104640  
 ttcgatatat aatgtctttg aaggactatc tgagacagtc aatttctaaa gatttggagg 104700  
 tgagacatcg agattcttta aagattagat taggggagag acatccgttg agtgtgcac 104760  
 agcatatgat cgccgctagg cagatcatta aatcggacaa tgcggaacac cagcatgtca 104820  
 tatcttcttt gagtggtttt ttggataagc agaagagttt tttaaaagtg caacaaagag 104880  
 ctttaaagca gctagagaaa ttggacgtcg atgaaataat tgatacgacg gcggaagtga 104940  
 aagcggtcag taataatata aaagaaactc ttatggcaag cactgaatta gaataattat 105000  
 ggacaacggt gtggagacac ctcaaggta aaaaactcag ccgataaatt tgccaccaga 105060  
 caggaaaagg ttgagaaaac atgacggact tggaaaaggt gttaaacgaa aactttttgc 105120  
 cgaagatagt tctccgttaa agaaacagat ccccgctgc agcgatatgg aaacactttc 105180  
 ttcgcctgta aagtttggat gcaagtcgcg aagtgttct gctctcgatg aaagtttcgg 105240  
 aaaatgtaaa cacgaaactg cttgcgattg ttctgcgata gaggaattgc tttgtcacga 105300  
 gtcgctttta gactcgccga tgaaactgtc gaatgccac accatgttca gtcagacaa 105360  
 atggaaactg gagctagaga aaattatagc ttcaaagcag atatttctag acatgagcga 105420  
 gaatgttgaa cttgtggcct acggcgagac tttgtgtaac ctgagaattt tcgaaaagat 105480  
 cagctcgccg tttttgttg acgtgcaaag cgaggagcgt tcgtattcag tggtttacgt 105540  
 ccctcacaac aaagaacttt gtggacagtt ttgtcaacct gaaaagacta tggctcgagt 105600  
 tctcggagtg ggtgcctacg ggaagggtgtt tgatctagat aaagtggcca taaagacggc 105660  
 caacgaagac gagagtgtca tttcggttt catagccggt gtcattcgtg gaaaatcggg 105720

agccgactta ttatctcacg actgtgttat taataacctt ctgatttcaa attccgtttg 105780  
 tatggatcat aaagtgtctt tgtcacgtac ttatgatgtt gatctctata agttcgaaga 105840  
 ttgggatgtc aggaatgtaa tgaattatta cagtgtgttt tgtaagttag ctgatgctgt 105900  
 aaggtttcta aatctgaaat gtagaattaa tcatttcgat atctcaccta tgaatatctt 105960  
 tataaatcat aaaaaagaga taatctttga tgccgtgttg gcggattaca gcttgtccga 106020  
 aatacatccc gagtataacg gcacgtgtgc tattgctaaa gagtatgaca gaaatcttca 106080  
 acttgtgcca atcagtcgta acaaattctg tgacatgttt aatcctggat ttcgaccact 106140  
 tgtcgccaat gcaatgatat tggccaatgt atgcgaggct tttgatgggtg aaaataatcc 106200  
 tcttagacac tgtaatttgg atctgtgcgc ctttgctcag gtcgtattat tgtgtgtcct 106260  
 gagaatgaca gataaacgcg gatgccgcga agctcagcta tactacgaga aaaggttggtt 106320  
 tgcgttggct aacgaggcct gtcgattgaa tcctcttaga tatccatttg cttacaggga 106380  
 tgcttgcctgt aaagtatttg ctgagcatgt agtggttgcta gggttattgt tttaccgaga 106440  
 cgtggttgat atatatgaaa aatatagca ttttctagat gaaagagggg aatttgggtt 106500  
 acgagacctg tttgaggcaa cttttttaa taatagtaaa cttaccagac gtcagccaat 106560  
 cagaggaggt cttgcgtctc tacagtcgtc cgagtatgga gaaaaacttt tacatgacct 106620  
 tagagcgttg ttcttgatca cttcttctgc agatctggat aaagatacat catctctctt 106680  
 tcagatgtga tatagtaatg gatcttaatc agatatctga aacactaagt gccgtggcag 106740  
 aagaagagcc ttttaaccatg tttttacttg ataaactgta cgccatacgg gaaaagatca 106800  
 agcaagttcc attttcgatt gttcgcttgt gtcatgttta ctgcatgcta ataaaatata 106860  
 acgcttctaa caataattgc attttgggcc gtaaacttat tgaggaaatg cagcagtttt 106920  
 tgtgcggcgc gagagtggat ggatcggaag acgtttctat ggatctgagt gaattgtgca 106980  
 agctgtacga ttactgtccg ttattgtgtt ctgctctgtg tcgtgcgcct tgtgtatttg 107040  
 tgaacaagtt atttaaaatc gtagagcgtg aaactcgggg gcagtcggaa aatccgctct 107100  
 ggcatgcgtt acggagatat accgtgacag caactaagct gtatgacatc tacacgacaa 107160  
 gaaatttttt agaacataag ggacagcagt tttttgggga agcggtgatt tacggcgcga 107220

aacaatgagcgc tgttattaga cacctagtag cgatctttta cgtaaagg gaagtcaagg 107280  
aaacgttggg attgctgctt gatccttcat ctggagtttt cggtagcgtct ctagacgcgt 107340  
gttttgaat ttcattcaat gaggatggat tcctgatggt taaggaaaaa gccttgattt 107400  
ttgagattaa attcagatat aaatatattac gggataaaga agatcacttt gtttctgaac 107460  
tattaaaaaa cccacaggag aaatcttttt cggattttat tttatctcat ccggtagcctg 107520  
ccatagagtt tcgagaaaaga gggaagattc cgtcatctag agaataatta atgacgtatg 107580  
attttcaata tcgtcctcag agaaagtgc gcacttgccc cactccagct attttgacac 107640  
ctcatatcaa acaactgctg tgtttgaacg agacacagac gtctacggta atcgtttttg 107700  
attgtaagag ccacttgagt gagcagaagc tgtctgtgtt tcagaaggct gtgtttaccg 107760  
tgaacgtatt cgtaaaccg aaacacaggt atttttttca gagtctgtta caacaatatg 107820  
taatgactca gttttatatt aatgatcata gtaatccaga atatatcgag agtacggaag 107880  
tgccttctgt tcacattgtg acggctctct tcaggagaag aacagaggaa gaaaggagtt 107940  
tgcatttggt aattgatgag acggaatata tagaagaaga aatacctttg gccttgattg 108000  
tgactccggt ggcaccgaat ccggaattta cttgtcgtgt tataacagac atatgcaatc 108060  
tgtgggaaaa taatatattgc aagcagacca gtttacaagt atgggcacaa agtgctgtaa 108120  
accagtatct tgcggcatgt gtaagaaaac cgaaaacacc ctgatggatt acaagggaaa 108180  
tcctatatta ctgacgacgg aatttactgt tttgaccgat accgaatcgg aagaggaagg 108240  
gatggcagat cttgaaaagc cctgcttga aagagtacag gccacattag ctgctaaatg 108300  
tgatacggaa gttgaaaaaa aactgccgct taaatcaaaa aaatgataga cgacgcagat 108360  
ttacgacacg ctcgatattt attttgtggc tatttgacaa taaacatgat tgtaataaaa 108420  
aaaagtgtta ttcgttttca tccattagc tcgagcttcc agcgttaagt agttgcttgt 108480  
accgacgctt ctttttaact aggtagcgta cgagtcgaca aattatgaaa ccgatcgaaa 108540  
ttatggcgac gaccgataaa ttgataataa gtcctgtgct ccactcggat tcaaagaaag 108600  
tttcgtactg gagaataggg aaagatagc ctacggcgcc aaaaacata ccgacgtaat 108660  
agccgaacaa gggtttaacg tagcgaacca ggacggcttc tattactata ctatatatgc 108720

aagccatgac aagaaaggta ttgatggaag agaaagcaac ggtgatggaa cgtatgtaga 108780  
tactatttcc gacgcccagg caagtagtaa tgccgagaaa catcgtagag taacctagca 108840  
tgagttcgct tagattgatg acaacgggtct tgaattgtac ggtccccctt aggttaggat 108900  
gaattttctg aaaggcgaaa aacgacttgt ccgctgactg aaattgcgtt atcagcgtaa 108960  
cgttaaaggt ggtgaaacac acgaagaaga tggaataggc aaatgcacct agggcgacca 109020  
gtctgaaaga cagggcggtg acgaataact gaaatgtatc catgattaag atgaattgaa 109080  
agcaggatga ggtgtcccc atccaggtaa tatccctcgt tgtttggtta acgttagatg 109140  
ttttgttaga ggagaacact ttgacacagc agacaatgta ataaataata atcaggagga 109200  
ataagatagc cattatcagt acgtagcata taatctgcac agggtttatg taaagttgat 109260  
gcgtcatctg atatatttca ttattagcgg agagattgac cgctttgagg tcattgattt 109320  
caaagtaggc gcacggaaat cctaaatttg gaaagtttat ggctatcaga tggaccgtga 109380  
cgtttataaa tgacaaggct gcacagatta tagagaccag ccagatccgt aaattaatgg 109440  
tgtctacacg actggaggcc ataccagctc tgtgatggag aacaggtttc agaacgatac 109500  
tctgtttctca gagtggttcg gccagagttt gtccgatgta agatttccgg acaatgtcac 109560  
cgttttattct caagccgact cggcgggtgag ttttgaaaac gtcaggcagc cgataaaaact 109620  
ggttcgcgca gcgatgggtt cagggaaaac aacagctttg attcattttt tgaaacaggt 109680  
acccaaggaa ctatctgtcc ttttgatttc ttgccgtaaa acgttcgctg cggaattttt 109740  
gcaccgtttt actctcaatg ggttgaggga ttttgaatta tattgcgata ttacggagcg 109800  
gcagataaac aacagaaaag tcattgtcca gatagaaagc ttgcatcgtc ttacagaaaa 109860  
ttacgatgtt ttaatattag atgaaattat gtcgattata aagcagtttt attccaaaac 109920  
gatgacaaaa accaaagaag ttgattgcaa gtttttatcg ctgatcaaaa attccagtca 109980  
tgtaatagct atggatgcga cgctgactcg gcatgtggtg gagttttttg ccgcgttcaa 110040  
gccagatact caaatcgccc tcacagaaa tacatttgtg tccgcgatgt tttccaatag 110100  
ggtcgcttac tttgtgaca cgtttttttg taaagagttt tctttttttg cgcgcttgga 110160  
agacaagcta cgatgggata agaaattgtg tttgttttgc agcaccgtgt tggcagcgga 110220

atacatgcat gatttgatac gtctcgggtt ttactcaaa aaagttcttt tgttgacgtc 110280  
 taaacaaggg aaatgctctt ccatagaatc ttggatacgg tatgacgtag tgatttatac 110340  
 gtccgtcgtg actgtcggtc tgagtctcga accggtttat ttcagctctt tgtttgttta 110400  
 cattcagttg gccaaaggag ggccggacat gtttcaata tttcaatcca ttggtcgtgt 110460  
 gaggcgagtt atcgatgaag atatatacat ttacatgaat cccgtactaa ttaaaagcta 110520  
 tgatcctttg gcgcctattg ccatgcctcc ttgcagtgat tggagtgtcg ctgagcagtc 110580  
 tatcatctca gagagttgca ttgacttccg cggaaagtgc agcggagcgc ataaatataa 110640  
 tttctgttcc gtactgaagt gtctttttcg atacaggcat tatatcgaaa agactactat 110700  
 tacaagtta tcagatagtc tctttctgct ctgcagctcg ttatgtgaga attctattaa 110760  
 ggtggacatt gttggaaatg gattcccgat gcgcaaagag gtttttttga gtttcttgca 110820  
 aattctagtt gaggagtgtc attttatcga aaagaagatt actttgccgg gtgacaacat 110880  
 gacgtttcaa gagatcataa gtagcagaga aactatcatg aacggagatt tttatgaaaa 110940  
 cgtaatcag ctattacata aggactatat taccgacatg ggaaagttca gagcgacttt 111000  
 tttatctccg ggcggtgaca ttttcattgc atcggacatt gtatctgac tgaaaaatga 111060  
 aagcaaacgc tatgtttttg tgaacgtctg gttacaaaaa tgtgtgtctg ctggtgtaga 111120  
 aagcacgcga atcgaaagag tttttactga gcgaattaag tcttatgtgc tgccgaagag 111180  
 tttttgtgc gatgagtact ttgttctagg tgacatctct ggggtttacg agtggggaat 111240  
 gttaatagat ctggccttcc tggcggaat gatccgaaaa gatttgaaac tgaaatcgtg 111300  
 cacagatact actactgaca tttctgaaga tgatctcctt ttgtgtgcgg ccaggaggtc 111360  
 gagtgacatc ttacaaataa tgcaattggg gtttacgggtg catgtgcaat tttttcaaag 111420  
 atacagtctg cagactctgc agctttttta caagttgaga ggcatgcgga ttgtgacggg 111480  
 tgtgttttct atagaaaaat tcagcatttc catcctcagg cttttcttta aatgtgcatt 111540  
 taatatgact ttgtccgcca gcaaacctcg gtacatcccg gggaaggcgt atcgcaatct 111600  
 aacaaaaaat gatctggaga acatgctaga caattgggag atttcgcgca ccaatcttaa 111660  
 gacttgtaaa gaactacgta aagccctcac cgaggcctcg agagcaaggc ggaaacaaac 111720

aatttataaa cttcaaggct cggatataag cctttccgtt agtgaagttg gagtttttgg 111780  
gcaacatgca tctccggggg tgtgcgtgtc atcttagcct ttattgtgtg tacaacgact 111840  
gggagaataa gatctacaga gtaccgattt ttcagtgttt gtttttagaa gcggagactc 111900  
gttcgttaaa aacgtttttg attaggggac agagcctaga ccaagaatcg ttaaatgaga 111960  
tagaagttag aagaaaagaa acaatgcttt gggaccttca ggaacaaagt aatatgatgg 112020  
acaaaaaaaaat agcagcaatc agcagcctca ttatgaataa cggagagctt cttaggaaac 112080  
tttcaaaatt tttcgtgcct ctaactgttg ttcttgaga cgacgggta gagatttttg 112140  
aagcatacgt ctgtggcgag gaacccatgc tgcctttgga cacggtacct gttatattac 112200  
gatgtgtcgg agactacgca gccttgaca ccaagcatct cttgagtaac gaatgtacac 112260  
aggcgtctaa aaaacttcgc tttggataca gtgtaatgga ctttcacttt tcgctaactg 112320  
tgtctgatgt aaaaatttgc tttcacaca cggacaccgg tgaggctgta tgtgaaaaaa 112380  
tgaaacaaat tttttatttt tctgtgtgtg cttttggtgg tgagcaagtt ctcttagtga 112440  
cgccaaaaaa tgcttatgcc ttattgttcg acgatgattt gtgtttgctt ttactgcaga 112500  
gcgtgtttgc tttcctgcac gagaagatat tcggagttaa taaacaggtg ttagttcagc 112560  
tttggaata catcgggtccc gacttatggc cttttgggaa tgaaagatcg gtttctttta 112620  
taggatatcc gaatctgtgg cttttgtctg tateggactt agaaaggcgg gttccggata 112680  
caacttatat ctgccgtgaa attctctcat tttgcggttt ggccgctatc ctgggacctc 112740  
gtggtagaca cgcgatcccc gtaattaggg agctaagtgt tgaaatgcct ggaagtgaaa 112800  
cctctttgca acgtttcagg ttcaatagtc agtatgtttc aagtgagtct ctgtgttttc 112860  
agacaggtcc cgaggacaca catctattct ttagtgacag tgatatgtat gtagtgactt 112920  
tgccagattg tctgaggcta ttattgaagt ccacggttcc tagggccttt ctgccatgtt 112980  
ttgatgaaaa cgccacggaa atcgaactgc ttttaaaatt tatgtcgagg ctgcaacaca 113040  
gatcgtacgc tttattcgat gcggtgatct ttatgttaga tgcttttggt tccgcttttc 113100  
agcgagcatg tactctaattg gaaatgcgat ggctgttagt gagggactta cacgtgtttt 113160  
atttaacctg tgacggtaaa gattcacatg ttgtcatgcc tttactgcaa acggccgttg 113220

aaaactgttg ggaaaaaatt acggaaatca agcaaagacc tgcatttcag tgtatggaaa 113280  
 ttctcgctg tggatttgc ttctacgcta gatttttttt aagcagtggg ttgtcacaat 113340  
 ctaaagaagc gcactggaca gtaacggcaa gtaaatattt atctgcatgt attcgggcca 113400  
 ataagacagg tctttgcttt gccagtataa ctgtttattt tcaggatatg atgtgtgttt 113460  
 ttatagctaa taggtataat gtttcttatt ggatcgaaga gttcgatcct aatgattatt 113520  
 gcctggaata tcatgaagga cttctggact gcagtagata tacggccgtg atgtctgaag 113580  
 atggacagct tgcagacaa gcacgtggaa ttgcattgac tgacaaaata aacttttctt 113640  
 attacattct cgttacattg agagtgttga ggagatgggt ggagagtaaa tttgaagacg 113700  
 ttgaacagac agagtttatt aggtgggaaa acaggatgct ctatgaacac attcatttgc 113760  
 tacatttgaa ttaattttgt ttctttacat aacatagaaa aataagactt agctagacgt 113820  
 gtcttcattc ttcgaataaa aaatttgtgc gaattgtgtt gctagttgta tgacttgag 113880  
 agaactgtct tgcagctgct tagattctaa ggataaattg atgaaattgt gactacgttt 113940  
 tgtgttaaaa taaagttcca aaacttctat atgcgtgttt ttcatttcat tgtatagtct 114000  
 aatcatcgga ggcaccttgt ggaggatttc tgaggcgtgt tcgttaaaaa aaatgtgtct 114060  
 tagtgtacaa accaatttgt cgcacgtgtt gaataatatt ttcgttaccg gagataggac 114120  
 ggggaaaaga acgagcctag cgattagttt gtgcagggtg ctttgcttca gtggaagatt 114180  
 ctctaatacg aacactagtc cgcaaagcat aaattcttct ggcgatatcca ctttcatatg 114240  
 gattagtctg cgtttgaact gaaaaggatt gagtcgcagt tcttgcagtg tatcttccga 114300  
 gtctagtatt atgatgcaa tgaagccttg gaatcccaac tctttttcgc agatgggtctt 114360  
 gtattccagg ccgttgatca tggttccgtc ttccaagtgg aaccatattc cgtcgtctcc 114420  
 tactgttata ttactaacg aatgtcgtgc gagggatagc cacttatcaa tcttgatcac 114480  
 ctttaggata gttcggacgt gtaaggtgtt gaatacgtct gaggtttcta attcttttaa 114540  
 tttttcaag gatttcattc tccgggtttg gggagaaaat gttcgaatcg aaaatcggct 114600  
 cgttgttttc ggggtgcgtt tgggttaaata tatacacttc tgagatctga tttagctctc 114660  
 ggacgtatac gagtcttaaa taatgcttga ttttgctgct ttcgtagatg gctaataaga 114720

tttcaccgag ggatagaaag agaaattcct cgggaattga ttcgaggttg taaatattta 114780  
 agagtgcct taggaaaggc acgatgagca gctcgatgct atagttagag tatgtgatac 114840  
 tttcttcctg tccttgatta ttaacgtttt ttcttaaccg aaaggttcgc atgtattcca 114900  
 tttcccatag ttggctctatt cgtttgtcgg catatttgtt gtctgggata tactgtgaaa 114960  
 aaaaactgtt tgcgactgat ctggtgtcat ctatggaaac gctagtgaat gggagccttt 115020  
 gaactatgtt tagcgctcgc gataaagaga gattctcgag gtcatgggcc agatccgggt 115080  
 tatagcgatc acaatcgta ttcgtctcga gcaaagagt tagatctttg attttccttt 115140  
 cgaacatttg gtttgtgtt ttgagtgtt cgatttcac catctgtgtt tgtatctgct 115200  
 cctccatgca ctgatgatt tgttttttga acagatctcg aacgtctctc tctcctgtgt 115260  
 cgatcgcaga gcgttttcgg aactgtctc gtttcagcat gagtttattt tggctctatta 115320  
 tagagggggg gatttcttga ataaatcctt caacgctgtc cctaatacct attttagatt 115380  
 tgctgtccga caagttgagt aaaaatttga ttaaaccttt tttcgcgtcg ctgttttttt 115440  
 cttcttttcc tatcatgtcc attatctttt tgttggttac atctgtcttt gctgtggtta 115500  
 gcacctttat gggaaatgta ttcaataatt ggcacatttt ttgatgacgc cgcagactat 115560  
 tgtgtttttt tagttctgga gaaagggtgg cgagggtgt agtcagcatt aggcgatttc 115620  
 taataacata tgggggtgctg tacgtgaaaa acgctatagc cttcttggtt ttaaagcaag 115680  
 aaatttgctc cgaattccga tctcgaaaa tcttaatat atgaaaatcc ggaatgatca 115740  
 cggaagatag acccaataaa atgggagtga caatgttttg tttatgccgc actatgtcgt 115800  
 ggattagttt agatgacact tgttgtagaa gattgtataa gttcggggcc gtaggggtgg 115860  
 ttctcatgaa cggaacgatt cctacggtac agatccagtc tacatatctg ttatagtgac 115920  
 tgttgtctat gctctgaagg ataaaattaa ttatattaga tatatctccc aagatcacct 115980  
 gtttaatcgc gtgagcccag aactaaaat aatcttgaaa tgacaatttt ttgttgtgga 116040  
 acggaaatga cctcacatga cgtttccatt catcgtggat ttgttgaata gaaacgctgt 116100  
 ttaaaagggc ttgagctact ccataggcta tttgtttttt cagtacggca gaatctcgga 116160  
 gagcgttgtg gattgtttga ctttgaaaa aatttttgtg tccgtgtagc atttcaataa 116220

aagtcattat ctgctcagag ggataaatca tgtctatctc ttcgttggtc ggaggtagat 116280  
acgataataa gtttttgctt aacatgtctt cggctcccaa aatagagttg attgtagata 116340  
aggtggcttc gttatcagaa agacgcttgg aggggcgtct gccagaagat tggtttcgcc 116400  
acatcatgga tcctgaaacc gagttcaaca gcgaatttgc tgatgctctg tgcacggta 116460  
ttgatgaatt cgctcaacct ctgccttttt tgccgtttaa ggccttgta gtaaccggta 116520  
cggccggggc agggaaaacg aacagcattc agacctagc ggccaactta gattgtatcg 116580  
ttactgcaac gacatctatc gccgctcaga atttgagcgt tgttttaaac agaagtaa 116640  
ccgcgcaagt taaaacaatt ttaagactt ttgggtttaa tagttcacat gtatctatga 116700  
gcgaacgtca aagttatatt gcaaatgacg agaggctgat tcaaattcaa caaagcaag 116760  
acctgtctat ctattggaat gttatctccg acatagcgga gagggcgttg ggtgctgtcg 116820  
cgtgcaaaac taaagagtta cctgatttgt gtgagagtag tgttatagtt atcgacgagg 116880  
caggcgtaat attacgacat attctgcaca ctgttgtttt tttctattgg tttataacg 116940  
cgttgataa aaccttttg tatgagaacg gaattgttcc gtgcatcgtg tgtgtgggt 117000  
cgcccacgca gagtaacgct ttggtgactt catttaatcc gctgactcaa aacaaggacg 117060  
tgaagagagg aatagatgta ctttcagcct tgatctgcga cgacgtgctc tctaaatatt 117120  
gcgaagtcga taataactgg ataactttg taaacaaca aagatgtgcg gatcatgcgt 117180  
tcggagattt tttaaagcac atagaatttg gcttgccgtt aaagccggag cttatagagt 117240  
atgtcgatca gtttgtgaag cccgcttcgt acataagaaa tcccatgaac gaaatagaaa 117300  
cgacctgctt gtttttatcg cataacgagg taaagaacta tttccgttca ttgcatgagc 117360  
aggttgaagt taccaacaga aataacttgt ttgtgtttcc ggtttatatt ctcataaaaa 117420  
acaagacttt cgaagactac aaaagtgaat ttgtaattt ctccttagaa attgaaccgt 117480  
ggtttaaadc taatattcat cggctgaata cttattctca gttcgcgat caggatttat 117540  
cgaaaactgt tcaattggag gagattgttt tggaagatgg gtcggtggaa gagactttga 117600  
taacctgtca tctgaaacat atcagaaaca gttcaatagg tgtgacgtcc aagatcaagg 117660  
cttcgaccgt ggggttttcc ggaacttatg aaaaatttgt agaactgtta cagagcgatt 117720

tgtttatcga aaaaacgtca tgtgagcaga ctattcacgc atattctttt ttatccggtc 117780  
 ttaatgttcgg agggatgtat tctttctgct gttcgggaatt caccacccct gaagtgttaa 117840  
 tggaaatcaa aaacataaag atgcccagta ttgaattctt agaaagtga atgtcgagga 117900  
 tgtctcgaga cgtgcaaacc gtagagacag atgaaaggta tgatttcgga ttagtcgatg 117960  
 atgggttata agatatggac ctattagaaa ttgatccttg cggagatcca tttttacta 118020  
 ggtatagtaa gttgccttta actaattctc tgtcgttcga ggaaattagt ttgctttata 118080  
 cgacgtttta ggatatcttt atatctaggt ttgccattct gcagatgcat acaaaaggga 118140  
 agttcggaaa gactctccta gtgacttata acagaaacaa cgtttctaga aaacagtgcg 118200  
 gtgagatata ttcccattta aagagttttt atggatatgct cacctacgct atccctgcc 118260  
 ataattatac tctggagggt tatacaaatg ataatgtagt tcatttagga acggataaac 118320  
 aattaccgca gatcttatat aaaaaaggat tacctagatt agttataaaa gatgaaatgg 118380  
 gggttcatttc tgtttttagat aataacgtgt cgaaatttgt cgatgtcgta aatggtcaga 118440  
 gttttcatct atgtacaacg gtcgattacg ccaactgttc taaagtttct atgaccatca 118500  
 cgaaaagtca agggctttcc atacaaaagg tcgcaataga tttcgggagt gatccaaaaa 118560  
 atttaaaatt gagttctatt tatgttggga tgtcacgagt aaccgaccgc aataatttaa 118620  
 taatgaatgt taatcctttg agactgaatt atgagaatga taattttatt gctccgcata 118680  
 ttgtaaaagc gttaaagaac gaaaatacca tgtaaatatt ttagggaggt tttttatgag 118740  
 aatatataaa aaaaactaaa acatcagatg aattgtgcgt gtaattgttg aaattccata 118800  
 cggtcgaatg agcttatttc cgtcgggtccg tttttctgc aaaacaaaag tagtacaggg 118860  
 atttagtaca gtatgtctcg aaaaagacaa ggggtgtgaaa ctttatgagg aactgatgag 118920  
 aaatgactta cgcccatgat tttgtttcgt cgctaaattg aatacagctg cagggatgtg 118980  
 gtatgagatg acatctgcaa aaacaaatga aagtctcccc cggagtacac gtatgtactc 119040  
 cgggggaaac ctcaaaaatg cacaatttag cctattaagc agccgcgaac tcgttaatag 119100  
 ttactttgat gttaactcag gtggtggctt ggatgggtgc ctaagtatca atcgaagctc 119160  
 ctttattttt tgcactactg aagttattct aggtatcggg gtaagaataa gatgacgaaa 119220

aaaatatgct agatccgtcc attaaatcct agagttgttt ttagtaataa taggttattt 119280  
 acaaaagcct gcatatgac caatgtttct gtatgaatcc agataaaca aaatccagga 119340  
 gtaatgattg gaatcacaaa atgattagtt agatgcttaa cttacttaat aactacactt 119400  
 atagactaaa cttacttat caactatact taacttttag gtccttataa tgtgaactaa 119460  
 ataatcaact gttttgtgcc caatcccca ctactaaagc aatcgctttt gatttatgaa 119520  
 acaacgaggc ccacttcacg ttattacata gatcaaggtc tatctcttgg cggtttttga 119580  
 attcttccga gagcgtagcg gtttctaggt ttcagacacg tttatccatt cgccgggtat 119640  
 tgatcgggtc atatcattag ccgtgaataa tctctggctt catttcgata caacgtgtga 119700  
 aaactagtaa aaaggacaaa agcagccgcc tttgccgtct tcatgagcgt caaacactca 119760  
 tgagggtccgt atcttacaac acaatatatg aaatactgtg agcgaggtta ccggtgtccg 119820  
 agtcgcaatc cgaaaatcat atattgaaat ttgtaacaat gttatgcagt tgtactcaaa 119880  
 gtatatggtg atgaattgaa catgtttttg atgttttcaa tggatttcga aaaatatttt 119940  
 agatatcctg tagttttttt ctgatgactt ttctgatgac ttttctgatg acaatataga 120000  
 agatggcaaa acaacaagtt actggtagtt cttgatgtta gataaaatga atcggagata 120060  
 tgacaagtag agagaggtag gtgatacgag taaaattgaa ggggtgtttcc acacagacgg 120120  
 gggaaattct atgagaacca cagccagaag caattgacga caatagagaa aataagcaag 120180  
 catactcatc tcgtatagaa agaaccagtg acctacgatt ttccattcag gctagcatgg 120240  
 tgtgaacgag gggtttttcc gaaaactaga tgactatttc ttttaagcaag tgtaattttt 120300  
 agcagtccaa gtttttatgc aacgcagatt ttaatgatgt gtccctcgat aactatacgc 120360  
 tggaaactaa actaacttac atcttggttg ataaacgatt ttctattaaa aagactaaag 120420  
 gggttttttt ggcatataca aaattgtatt gagctcttgg aagtgcgtag atgcaaaata 120480  
 ggttaaattct taccttgaag ctacaacagg tcaacgttcg agtagacgta agttccatat 120540  
 gtcgaatgcg ctgtaaacctt tttcacggaa catcaaaaac accgaattta ttcacgttta 120600  
 cataagcatg aatctgcaat tttaatagtc ccataaagct ttcatttcga tctaactaca 120660  
 ttttagtatt tatgctccat aatgtatcaa agtgatataca ttcaatctgt ataagagtct 120720

gcatcaagct tcacgtgatt tgtagttcgc ggtagcat tcgctgtttt gccgtgtatg 120780  
 agacttacag tttgatccct aatacttctg acgggcgaca agccttttta tatgcatttt 120840  
 acggtaaagt ccacgccctt gtcgctgacg caatacgtaa aggttttcgg tttggatgag 120900  
 gatgtggta accgttagta aaaagtcgtt acagtaaaaa agccgaacgg tatttttaga 120960  
 tgtcggacca catatcggtt taatagattt ttatatcgtg ttcgttgtct gacttagata 121020  
 tgctgtttca tgggagaaat aaatcgtttt agttgtgtgc tgtagttttt ggatcgcaaa 121080  
 cgctcgagcc cggaagtgtg attcgtgcgc ataaaagggc gctgggtgtct gtgctcgcta 121140  
 gtcattttgt gctggatgag cggcaaagaa ctcatctttc tgagattttt ctgggattct 121200  
 tttggtaaaa atgtatgtct cgttttagt cgtttctgga tttctgtaat gttacgattt 121260  
 gctatgtgta ttttgatggt gtcgagcatg tttattttgt tcttattttc acacagataa 121320  
 gatgtatgct gaagaacgtg gatatgggtc atttgacaat gttatacagg cttatgaaca 121380  
 aattattagt cagtctcttc atttgaaaag gtttgaattc gacaatggct gtttcattga 121440  
 gttcttagct gactctggaa cgtgtgaaac gttttctaaa ggatggatat caatgattta 121500  
 ttggacatcg gagacagatt caatgggttc tctaacggtg gatattggga tggatgaagg 121560  
 aaaatgcaga acgtacagag ctcggggcct tttactgtgt tcaaaatcaa tcacgtcgat 121620  
 ttctcagaat actgagggca gagagaggat tttgactggt tcccatgaaa acgaaaaact 121680  
 tcaaataacg tttgttacta ttgctaaagt ttctcggag cccgagctac gaaatctggg 121740  
 cgatttgaaa tttatgaaa agtttgaaaa agaatgtcga gctctagaca ggaaaaaaca 121800  
 cgacgatgaa cacagaaaac gctcggggaa gcagaaagaa aaaagaaaag tggaggacat 121860  
 tgacaaaaaa aaagaagatg agaaactaaa acaagaagaa aaaaaacgaa acgacgaaga 121920  
 caagcggccg gacaaaaagg atgaatttga tggtaaatat gaatgtgtag ctgttgtaaa 121980  
 tttttttatt attggtgtgt cacggtcgtg gactttttta aatagtatct gttttgttgt 122040  
 gatttcagaa cccctaagg agaagagaca gaaatctcac cacgaaacga aacgtaattt 122100  
 ggaagaacaa agtcacgaag atggcatagc accgacttct acgacattcg tgaatggagc 122160  
 gggtgagggt gcgttatcgc cctgtgtttc tattgataat cacgaagatc aacaacatga 122220

tgaattagac aagcgcgttt atgcgcaggt ggggtggagt ttgggttcac caaaacctag 122280  
gtctttggag tctttgttgt gcgtatctaa agctgatctt tttcttttag gggacgaacc 122340  
gagaaggctt atccaatgaa gataattatg gaaattttca gcttaataag tctttagaac 122400  
agcttagggc cagacttggt gcaagcagcg gcgagggtgt agaaagatcg ctttcgaaat 122460  
tgaaagagcg tttggattat gtaaaggata atttaataaa aaatgtactt gaatgtgctg 122520  
atgttactgt tccaagtaaa tgtttaagta aaacaaaaca tatcgagcaa agaaaacaga 122580  
tagtgttttc tgattgtgtc aggtcggtag ctgtgtgtga gattaaaccg tttatcgaca 122640  
tgcgagtatt tgaaactgaa acaacgcaga acgcaagaag agttcgacaa cggaccagaa 122700  
caaccgtcgg atcaacagat ggtgcaatcg ggcagcagcg tgttatttca ggacaaaacc 122760  
ggggcagagc acgaggacgt ggccgaggga gagttcccag gagacggaat tccaatctaa 122820  
ataatttaag gacacaaaat tctgcaattg tcatagacga tagcagcgaa accgaaaact 122880  
ttgaaaatgc tgggagtttt aatgaagact tactggcaac cacaatattg gaaacactgt 122940  
gaattttatt gctgtattgt aattcttatg taaactaaat aggttctatt cgttcagaat 123000  
gttccaattg attgggtctt tcccgtgctc agtaagaaat aaatttggtc gcacaaaatg 123060  
attgcaacca ataaatggca ttcttgcagc tttcactttg ggtgatggat gtgcactttc 123120  
taagacgaga tgtttctgtg cgtctattag ataagagagt ttccgggcat gttttcccca 123180  
caacaagaaa acgagagagt tcatttggtc cgatagtctg ctgataatct tgtagctcag 123240  
tgtttgccaa ccaaatgcct cgtgggacat tggtaatcca tgaactacag tgaatatcga 123300  
gtttagcagt aggactcctt ctctacacca ggagtttaaa cagccgttgt caggggggga 123360  
aaaattcggg atgcttcttt ccagttcttt aaatatattc tttagagatt ctggaatcga 123420  
gcactctttc actgtaccga aggccaaacc gcaacctctg ccgtcgggat acggatcgtg 123480  
tcccagaatc acaactttaa catcgggtggg ttgcacaaa aaactccagg cgtggacgtt 123540  
atccgaagag ggggtggacgg ttagatgagc tctatcgttg tccaccaatt tataaacatg 123600  
cttaagatgt gtaatttcta acttggagag ttgcaggaaa ctcaaccagt ctctgtttat 123660  
gccgaagagt gaatgctgat catctattga aaggttttca tagttttttt cttcatcctg 123720

aacgtgatct aacatccact gtagtagggc catggttggg aaatgaaatg cagtggatta 123780  
 aattccctag gagcatttta tgtgaatggg acgtgatgtc atagccaatt atgtgtttct 123840  
 aatcagaatc gtagggcggg aacttcggaa aggtagttta gaattgtagg cttccatctg 123900  
 ttttagcagg tcgaattcta ctccggtttt caagtggaaa tactttaaac aattcaaaat 123960  
 cgtatcaaag agagtcaaag agttaaaagg gaacctgata atttttgtga tgcctgtagc 124020  
 aggattctcc aagtataata aaaaaccaat gttgctgtaa aaactgtctg tgttttctga 124080  
 aatgttaaac tcgagacctg caatgttate aacaaaaaag ttattgacgt acgtaattct 124140  
 ttcaggcaaa tattttctac agttatcgct gatgcaggtt gttattccga cggaaggcga 124200  
 acatgtctgg aagccattga aaaagtttag ccaattgtcc cgagattctg ggtcccctat 124260  
 cagcgcaaac aatgtgcgta gttgctctgg gttatcctgc agaagtaaga agtcgctgag 124320  
 gaattcattg gttaccatta tacggctaaa aggctttttt tttgttgggg gtttttagcag 124380  
 tattgacata acgtcttcat tatataccgg agcttggtag attggttcta gtaatagagg 124440  
 tacttcggat ctcggtcaat ttattacage tgcgatacag tcgtcaagtt tttcaaaata 124500  
 gaaagaattg tggtcgaaaa gaggcacgc tttcgagaag gttagtaata tgagtacat 124560  
 tacaaatagt aaaagttcca tggttatttt ttatttgag aagttaacac gacgggaaca 124620  
 acatcttata tacagtaggg aaaaagactt gtcgaaatgt tcatttggtt ttttattggt 124680  
 ttttttatg cggcatatat tggtatggt atcggattta tcggtagtcc ccccgatgcg 124740  
 gagctgtctt cagaaaattc acgtatttcg tcttctgtct tattaggatg tttgttgtgt 124800  
 tgcacagatt ggtccgctgt cgtacctggg aagacagaga ctttcagaaa accttttggt 124860  
 gcaatcatga ttaaaaagct aaaaagttgt tttgctgctt acctgtctga tttagagcag 124920  
 ggctcgatgt gtgatatggc aaacgcacg ccgacaagtc ttgaattagg attgtcgaaa 124980  
 ttagacaaaag aatcatgaaa ctattcgaag acattaatac tggttttctt tctcgttatg 125040  
 acgatcaata tagaggacgc aaagagagac caatttagat tcgagccaaa aaagtttatt 125100  
 ttgtcagttt aatagtttgc cataatcatc ccaataaata tatttgttga aagagttgta 125160  
 tatggtgatg tgttctcgaa ggagcatcgg ttgtgttacg ttcgcgatat tcagagtaat 125220

ctcggttgga tggcagattg caaaattgat acaaacgtga gcggcgcata ataaatcttt 125280  
 ttccgtcggc gcgtttatca tgagagagca aatgccgaca agcttttttt ttgaggcggtt 125340  
 taccggtata ggagctacag cgttttttcg aagtgcgtcc gtatgtggga cggtcctct 125400  
 aaaaaactga ttgattgcaa tagcgactac cggttcatgg tgaaccgatt cagaaattat 125460  
 ttgctcgccc acgttaataa ccatgttgcc aatggacatc aatttttctt gcatggcggtt 125520  
 tattaagatt ttatttcggg aataaacctg tatttgcaca attgaagcgt tgtaacagcg 125580  
 gaataatctg taaatttctg acataaaatt tttaggtgag cacggggagt aaggtggaga 125640  
 tgtttcgtaa gattgaaaaa ttttgaaagc gttgactgca ttcggatctt gcctttggca 125700  
 ttccgtagac ttgacaattt cctttttctc cgtcgttgat gtctttacag gcatgttgaa 125760  
 tgataggtcg gcgagagggt tgtccgtaaa tgcagaaaaa cgattaattt ctttattttg 125820  
 gtgaaacacg gcgtttgaga ttttccgtag tttggaatgg gcgtagattg cgttatttcg 125880  
 atatttttcc ttattaaatt ttatgtcggg cgagggtgtc tggggaaagg ctcttgcagt 125940  
 ggcagaatcg acgggtttat cggtttggac ggtttgcgaa gatagattgt tttgtaatcg 126000  
 attatttcgt atagtcgttt tagtggttag attttttttc cgttctgtag acggtttcgt 126060  
 tgtttttcta gttcggcgag atttgacggt ctgtcttggt ttagagggtg ttttattacc 126120  
 tctgtcttct atctcttctg aacttaagcc atataaattt taacttttaa atgcaacgat 126180  
 acacatcgaa atcagtagca ccataactga tattatcaat atcagaatta atggtacgat 126240  
 ccaggtaaatt acggtttcgt cagaatttga gccttttacc gcttctttac tgtatttcgtc 126300  
 gtgattttgc acagtgtgtt cgccggaagt tacgagagcg ctacgctttt ggttggtaaa 126360  
 ccagctcgac gctagacatg agatggtttt tccgacaaat tccagcttgg ttcgtctttt 126420  
 gaaagtaaag ctacactaa cggttgacga tccgttttca ttctgtctaa ccattggtat 126480  
 gtctctctta tatacttctc caagaaattt aataaccaca tttggttttg gataagacgt 126540  
 cacggtacac gtaacgtcta aaaaattggt taggtaacga aaatacaaaa cgacgatggg 126600  
 tttcataatg agttttaagc aactagtcgc agatgttttc tcgttatcca ctgtgaatgt 126660  
 acagggtaaa catgtcgcgt catatgctga tctggcttta attttcaaca gagatgtagt 126720

tctatcgtgt tttatgtgga aatacaatTT actgtccacg tcaagattgt tgatcttatt 126780  
tagttcgtgt ataaagacgt agccatcgTC agtgcccgat aagttgtcca tgTTTTgtac 126840  
ctcatgattc gatataagtc ggctTTTTatt gtaccacgag acgctttgga tgTTTTgtcgt 126900  
tgtgttgagg cgacaatgga aagtaacagt tgaccctatt tcgtatacta aagaaggact 126960  
cgtctccggg cgggggtacaa aatgtgcgct tatgataata catagaagcg gcaataatcg 127020  
aagcatcaag ggactcatag tgtacacctg tgccaaatag cagtttctgc gccaaatagc 127080  
ggtttcggat atatataagt cacacccaaa ataaaaaaaa gtcaaggatt tccgttatac 127140  
tgTTTTattt tttattttaa aaaaaaagtt gggagttaac attttgaaag tgtaagatat 127200  
ttcgatttaa aatctctgct gacagaatta tagatagaga tagaattgtc accatcaatg 127260  
attgagcaga cccgaaggac aatttcttta ggtttatctt tggcatactt attgcatatt 127320  
ttagaagcca ttacaaagtc gatgggcgta gcggcgtaaa ccataagagt ttttacgtcc 127380  
gaatgtctcg taaatagatc atgtgtgttg tttcaagtt tatccacaa ttcttgagggt 127440  
ccttgTTTT gtagttctat aaattgatta attgcatctt tgcataata gttaggcgggt 127500  
gcatgattca tcttaaattg ctctgaaaca gtgatgttgg gtcgaatcat taattctctt 127560  
tgcatcgtct taatgatttc tgctacttgt tttgatcttg taaagtacat aatgatggct 127620  
ccggtgtag agcatccatt agaacagatg ttgtatacag cttcttttag cttgTTTTca 127680  
gggaaagggt ttttggggat ctgtttgtat tcaaagtctc gtatggattt tctaaagagt 127740  
tttctaaaat cttttgtaga caccctgccg cgatgaattt taaattttgc cgattctttt 127800  
tttcttttc gtctaacata ttctctataa gacaactctt cttcaatttc acttatttca 127860  
gaatctgttt tcttcgttcc agatattctt ttcttgaaga aattttgcat actggaatct 127920  
gaatcatcat cccgggtgcg cttttttttg cattttgttg tgttgcgTga tatgttactt 127980  
tggttatccc gtgggcgata aattgtgtta gtggtggtgt tcgtggtctt aggtgtcttt 128040  
ttttgttctt gatcaatggc gttttctaaa tgattggatt gttcatgtgt gttagatgga 128100  
ctagaattgt ctaggggaaa tttttcacct gttttctggg agtttctaaa catatctgca 128160  
tgtctatgtt ttgattcgtg atttgagat ttgattttgg ttttgtctct tgaagctgat 128220

ttaggtcttg tttgttttc tagttgttg agtctagatc taggtgaata tgtggcagga 128280  
 tcttcactgt ttttatatcg acttttgcgc caggattttg atctggaact ggaacatgat 128340  
 gaagagactg atgatgatga tgccgatgat gatctagttc tggagtgctg atagttaaata 128400  
 gttataagct tgtctgttcc ggtttctgta cgtgaattag atctggaatt ttcttcaata 128460  
 ctggaagaga tgcttgatga tccagatttg tgttttttc tttttggagt attgagtga 128520  
 tctggtgaat aacgagagta agatctggat ctagatgtag aactttctga atcggtgtaa 128580  
 ttggtggatt ctgatttttt tctgttggtt cttatatgag gtctgaatcg ggggttgtaa 128640  
 aattgatcat tgtggttaaa ggactggagt cgagctgcag tatttttgta gaaattgagt 128700  
 tcaggcccga accgaaattt gatttctgat acttcagctt ctgtactaat tgagggtgtca 128760  
 tgtggatata tttgtctttt attagaatcg caacaaattt gcctcggttt acgtttgttt 128820  
 gaagtttttt cacaagtttg aggggaaggt atgttgaca ttaatttatt gttaggggtt 128880  
 ttaccggagc tctgctggag gccctgctgg aggccctgct ggaggccctg ctggaagccc 128940  
 tgctggaagc cctgctggag gctctgctgg aagccctgcc ggagcctgct ggaggctctg 129000  
 ctggaggctc tgctggaggc tctgctggag gccctgctgg aggccctgct ggaggctctg 129060  
 ctggaggctc tgctggaggc tctgctggag gccctgctgg aggctctgct ggaagctctg 129120  
 ctggaggccc tgctggaggc tctgctggaa gctctgctgg aggctctgct ggaggccctg 129180  
 ctggaggctc ttctggaggc cctgctggaa gctttgctag agactccgct ggaagctttg 129240  
 ctggaagccc taccggagc cctgctggag gctctgctgg aggccctgct ggaggccctg 129300  
 ctggaggccc tgctggaggc cctgctggag gctctgctgg aggctctgct ggaggctctg 129360  
 ctggaggcct tgctgaaggc tctgctggag gccctgctgg aggtcttgct ggaggctctg 129420  
 ctggaggctc tgctggaggc tctgctggag gctctgctgg aggctctgct ggaggctctg 129480  
 ctggaggctc tgctcagagc ctcggtgaaa gttttactca gaggtttatc agagttttcg 129540  
 ccattagttt ggttagaagt ttcagattta ttttcggtgg aactgcagtt aggtttcatg 129600  
 tcagtacatt catcacggtt agaagtgcta ttcattggtc tgttgccact gttggatttg 129660  
 ttaaaagcag taaatgagct aggattggaa tgactccgaa taggtgaatt gtctgttaaa 129720

tttttgttgg cgctgcaga gtgtttttta gacgcacagt ttctgttcat agttgaagga 129780  
 gtttcttgcg tggggcatgc agaagttgat ggaataatag ttccattaca aaatagttgt 129840  
 gaaaatggct gaataatatt agagtcctct atttctgttt tatttgtatt ttcatggaa 129900  
 aaactgttta agtccgtatt ttcgggtactt tcttctgttt tatggtttgt tttgctgttg 129960  
 ggggttgttt tagtgaaatt atcatagaat ttatctgata aacaatttcc ataattgctt 130020  
 tcactgttgt tgggggattt gtattggcct tcttcagagc tactggaatc atgtatacaa 130080  
 tgggtgcgttt ttgattttgg tgggtgtagat atcttttcat tgtcgggtga ggttttatat 130140  
 tgttcatcag atgttttgcc gtgtaggtta tgtgagggat cagacttttt tgatgtattt 130200  
 ttggcggctt tccctgaaac atttttaacg actacttccc taacgtcttg gtgtccgttg 130260  
 gagtttgcag tatttttttt agatgtcgta cgtccccgag aatgtttcat tttaggatca 130320  
 ttagtgtctt ttgggtcatg atgttttttg taagagttat ctttggtcgg ggctcttgga 130380  
 gcatgttttg atatgagaac tctgtcttgt agagaagttt ttgatcgggtg tatatttttt 130440  
 tttgtgtggt ggagttccga gttagaatga attttagttt tatgaaccgc aaagttaaag 130500  
 gtgggctcag gtgtcatcgg aagaggagat agcaggggat ctaattttga aaaatcccta 130560  
 gcttcagtaa cggcttcac ttcattgctga ttagattttc tctgtttaag atcagaacgc 130620  
 gatggaacat ggttttcatt atgtttttgt actttatgtt tgtttattgt ttgagaactg 130680  
 tgtccttttg tcttttgat tgatctacaa cggatatgtg tttttttgta cttctgagta 130740  
 tccacgccac aatttgagcc attgtctatt agtgccttct tcggtaacgg gataacttca 130800  
 gtgtcatata tttttttaat gagatccatt ttttggaac taggtctgta tgataaactg 130860  
 attgcgtcag gagacgttga aacttgctgt tttttgtgtt ctttgttatc cttagcattc 130920  
 tcatgttctt tagttttcgt agtttctggt gttgtctgtg attttgttgg ataattgtga 130980  
 ttgtcagatt gtacgtatgt ggggtctgtt gttattgaag tttgtgaaaa tgccatgcta 131040  
 tagtcttggg cttgaaaatt gaagttgggt gttagttgtg taacatcttt atagttattc 131100  
 atacggagat ctggattata ttgttcatag tttggatgca tgtattgttg atatgataaa 131160  
 tctgcggatc tgtttgagaa atcgtgtagt ctgtggcctc ttcgcgtct gttataactt 131220

ctgggaaaaa atcttccata tggctgttga tactttgagt ttggattgaa gtaattacga 131280  
 ctatcgtatt ttccctttcc tcctctgggt ctatgggaat gatgtctaaa gttagagtca 131340  
 tatectctat cggtatttct agattctctg taggaactct ctatactcct gtatgcatca 131400  
 taattagggt gatacggcaa cgaggtgaaa ttgcactgtg aattttagt ttggttctgt 131460  
 gatgcgtaca tgggctgtag gacttgatct ggcagttcgg aagcaaacg catatggatc 131520  
 gaattgtttc cgtttgatgg tagattggaa gcagaggatg tgcattgtct gtggatctga 131580  
 gctgctctcc gtggatcctg gggagttctt gaattttttc tggaatcttg agaagatatg 131640  
 ggatcttgat gcgtattctc actcaatggg tgtctatgtg tgacgtccgc atcatggtat 131700  
 agtccggata atttcatggc ttggtggaca acgtcgttat gagcatttgc ttgtttggat 131760  
 ttttgttctg gaaaacatgt ttataaaatt caagcttaat agatagtatt tttccgtcga 131820  
 ttagtgatac gcttaatgta ttaataaat tatggataat cattttgatt atgatacatc 131880  
 ccgtgcagag aatgatgttt atacagattg tgcgtagtat gcaaagaaa gttattccat 131940  
 cgttttgtaa tatgaaaagt ttcaaatata gtaaagaaaa gtacatatac gttttcaagg 132000  
 tgtgttctaa taaaatgatg aataaaatag tagttttcta tagaacgtat tatagacttt 132060  
 tattgcataa taatcattga gtaaatacgt ggagacatta aatttgtatt ttgtttttta 132120  
 gattgttgag ctatatagat aaatttggat gataaagacg ttatagtttg tagtgaaatt 132180  
 cactaaatcg ttttaagctt ttatatttat caattaagta gtaactttcc gtggaaatgt 132240  
 cgcagaagcg gaataatgca ttactaatt ggaaaagatg taggagagtg gtaaaagcct 132300  
 attggtttct taaggatgta ttcgtgcga tgtgttatta actagttaga tgtggattac 132360  
 taataatggg gggggggaat tattcgcata acatgcaatt aaaattcaat tcaaaattta 132420  
 tgaaattgac attatttga gaaattttat gggacgcatg atttatataa ttgatctatt 132480  
 aacaggccaa gcgacgggat ttagtgagca tgatattaaa tcttttcatt cagtagttga 132540  
 agttattttc gtggttgatt acatttttga ataattaatg gtatataatt aataataagt 132600  
 agggctaata gtacaattta ttatcactat tcttatgcga tgagttcaag ttcgggcgct 132660  
 gaaaaattac gtgtaatgaa cacttttttt agagaactta tgttattaga gaatttatgt 132720

taattagtag ttcaataata gaatttatga tttatcaatc acgtgatatg ccatatattt 132780  
 ggaaatcgcg tgtaatagta tattaggtgt catatattaa tttcatttaa aactaggatg 132840  
 atcattaaca taaattatat ataatacctg atgaagttaa tggcaattga attggatggg 132900  
 atattaattt atattttactt atttgcatta gattatatta taataaaatt gttttaatgt 132960  
 taaaaattta aattattgat gcattcatta ttgacgtgca gtaaattccag tataatgggt 133020  
 aaaagtgaga tttattgaag gggggggggg aaatgtataa tatccatgtt tttagatat 133080  
 ggtaatatat atcaattatc taattgtcta attctgttgg ttgtctacag ggaacctata 133140  
 gatatatcca ggaataattg gagttgaaat tgctgaagtt tgtgactacc aaagggttaa 133200  
 tatgcataat caaatagata ctgatgctac cgtggggatg gatatgattt gataattaga 133260  
 atacaattat atattattta ttatgtatta tggagatgac ataatttaat ataatacaat 133320  
 atatgataat ttaaagttta tagtagacta gttttattat gtttctaata tgatagcgcc 133380  
 ctccgctgtt caggtaaatt atatgatatt gaatgttttg agtagaatag tttgattatg 133440  
 tttatgatgt gatagcgccc tccgctgttc aggtaaatta tatgatattg aaagttttga 133500  
 gtagactagt tcgattatgt ttctgttgtg atagcgccct tcgctgttca agtaaattat 133560  
 atgatattga aagttttgag ttgactagtt tgattatggt tctgatgtga tagcgccctc 133620  
 cgctgttgag gtaaattata tgatattgaa agttttgaat agactagttt gattatgttt 133680  
 ctgatgtgat agcgccctcc gctgttcagg tcaaaattta aggggtggtta atagacattt 133740  
 ttaaaatatt ttaaacctaa ataatttcat ctattgtgct ttttgtttaag atgctgagtt 133800  
 tgtgtgtttg tgtgtgttgt gtttgtgtgt gttgtgtttg tgtgttgtgt ttgtgtgttg 133860  
 tgtttgtgtg ttgtgtttgt gtgtgtgaga gagaaagaga tagagagaga tagatatatg 133920  
 gggggggggg gggaatatat aaatatagta attttgaatc tgtgtttcca aaattgggaa 133980  
 ttatgcgtag catccactt tcaaagtgat ttcagttaat aagatgttgg attaaagatg 134040  
 gatttggat tttagattta tactttcaag tgtttgggtg aaaacagata gaacaatgga 134100  
 acgttgtctc tgaaaaaaaa aactagtagt gtgacattta ggaaatgtgg tttggatact 134160  
 ttcacgtgt aaaaagtcaa aaggttgaaa atgttttttt tttttttcat gaataggagc 134220

tattatgtga atgttgaaca aaaacagatt aaatagacct gaaaggataa tattgtgtag 134280  
agtgtacgg tctagctaca actaatgtaa tacatttttt agcagtacta tgatttataa 134340  
aattaagatg tccccggggc attagtctta ataaactggg ttagtttgga aaagagaaag 134400  
tgaaaatctg aatacttggc atctgtataa ggttttccaa gaatacaatt gtttatagta 134460  
tcacatcttc aagaaagctg gaattaactt atggaaatat tgtatgatga cttataagtc 134520  
agtttatgta catgacttgg aattaanaag agaaagcaat gtctgtatga ctttttatta 134580  
tttgtaaggt gatattgaaa ataaattcct ttgagaaatc acatgtttgc tgaggtttta 134640  
cataatagaa aaagttacat ttgcttatgt aatttcta atctatagcaac ataaagagtt 134700  
acacagtatg ggaaaagtat gtattttaca acaatataag catatttaca taatacacat 134760  
ctgtatgcta atgattgcta atcaatttac atcttggttt catctagcta ataaatttga 134820  
gcattttctt cgaatggatc ataatacagag ggatagccat ctaattttaa gacttccatt 134880  
ttatcactgt tgcaatcact tctaattgta catttttcat tatcattact tgtaccttcc 134940  
atacatctgt tctcatcatt gtgacatgtt gtgtcattga taatatttag tatgggggag 135000  
ttatttcctg ttccctgcgg gtcaaatatt tgagtttcgg ctgttacaag actttgggaa 135060  
ttgtcacat ttaaattttt ctcacatgca gtagaggtga taacagtata ttacttgga 135120  
agatcttggc aatgtttgtc tatgccgtgt ttaatgatat cagttagatc cataaaattt 135180  
tccatgacca tttctgtgat aagtttcttg gttggtgtta tgactcccaa gtctgttttg 135240  
ctatcctgta ttttactata agtatatgag acattatcct tattatattc ttcacatcc 135300  
attttaatgg ggacaaagtg attgatgaag cagtgttgg cttctgtccc atcactgtca 135360  
ttttttacat tcatttttgc agaactgtgt ataacacaat tgtctacttt gtgagttttc 135420  
ctcagaaacc acaaccaatt ttttttggga acaaatttgt ttctgatatc atgggtaccc 135480  
ggcattgacc ttattgggat ggtaaacact ggggatacaa aacctttact ttacaatga 135540  
ccattattga tcactttatc ataatactc aaatgtaagt aattatcttc agatgtacag 135600  
tcactgtact cgctgctcga ttcagaatta ggttctgatt taatagtttt ttttaagatt 135660  
gagctatcaa tattattgtt accatcctct tcactttcac tctctgaact tataacaatt 135720

acgtttgtgg ttfcaggtaa cttatctatc ttaatctttt tagatttgga tggtttaatt 135780  
 ggaacatttt tccttttagc tgtcctcttt ttagatttgc atttctgagt cacaggcaca 135840  
 attttctcag ttttgtcatt ttccttagaa ggagtgacct ctggtggtga atatagagac 135900  
 ttgctaaatg gtgtattctc attagtgtta ttcatatgaa tgttattagt tctgacagtt 135960  
 gaatcacagt ctgcaatgta atcagtttca tcattgttat cgctttcact ctcataaggt 136020  
 gctgagtgat cagtttcata accaaatgtt atcatttctg atattaaagg gttgtcatgg 136080  
 aaaccatcac atagattcac tagactttct acagctccca attctttgtc tattttactt 136140  
 tctggattta aagtatcctg aattgcatca tgacttttga caggagtgc tgagtcggta 136200  
 aaggtcatac aaggaagcgt ttcggtacac ttggagttag aaccttttct ctgaatcctt 136260  
 tcttttgtct gtgaccttg atcggggctg taagccaaaa tgtcttggtg ttcagaccgc 136320  
 gtctctacaa ctactgagtc gggttgagtt tcaagtagtt tttctatcaa gacgtgttta 136380  
 caactttcaa ggccagtaat ggatttaaag ttattagggc cgcccagatc tgtcactgag 136440  
 gctgtacata cacagttagg gcttgtttgt ttttcccta tctgtctgct attttcaatg 136500  
 aatgtttttg cctctttgga tttccctggc acatctggag aaggagtatc tggatacatt 136560  
 ttttctacat ctttttcatg tatgtttgta agtttttgtc tagttgggga ttcattgttc 136620  
 tttgatgggg tgggagtatt attatcagta ggagattgta cttccatgta ttttaaata 136680  
 tctacattgt catcatcttc atggatagat tcgatagaag attcctctga atattttcca 136740  
 tgttcatcaa attcagctaa ctctaatagt attgattctg aagggtctat gtttaaata 136800  
 cagatggaag actctctatc tttatttata gcaatgtagc cttccattat atcagaggaa 136860  
 gttaaagggt taatcaaacc agtatcatca taaactgttt ctaagtattc acatgcgtgg 136920  
 gtgatcatat tcattatggt aattttaaac tgggtgtctgt gaggtttgag gtattgccat 136980  
 gaaaattcac tgctgcatag aacaatactt tggagaacag cagtgctaatt atttttggcg 137040  
 gcagtaatta aatttttaca attcacatga attttaagga atgttctatc acagttatcc 137100  
 ataaagattt gattcatctg cttattagca aattcctgaa acattttcat atttttaaca 137160  
 tggttttcta ttatctcatt tctactttcc agtagttcct gttaaagtaa atttactgc 137220

ccacaaaaat ccttattgga gatgtcagga ttggacatct ctttgttgtg tgccatcaac 137280  
aacaatgagg tggaaacat gttcaatitt tcacaatcta atgccacata agctttggaa 137340  
aaaatgtttt tgatggctat aacaaattga ttgttcatat tagctttcaa atccatgagc 137400  
aaatctctgg attctgatgc catctttttc actaaccat caaatattatc acatgcaaaa 137460  
acaatgaatc gcggttcgca ccaattaaaa aaatccaagt tttttccaga taacatTTTT 137520  
gcataacttg aaacaaatTT agatgaaaca ctacttagta aattaatatt tatcaactgt 137580  
cctaattgTT ctaataccag cccctccaac atggatctgt gcagcgtaa taagccagcg 137640  
gagttaatta aatcgtcttc catgttagac agttcctgTT tcatggcagc cttcactgat 137700  
gcaccaatac tttggatgca agtgccaacg gactgagcta ggatgtaaaa gaagatatTC 137760  
taagtatgct atatgttaca tgcttaaaac tatgtTTTT tcttgttttc tatcttggga 137820  
catataatat ataattcatg tactcaccaa ccaaagTTTT gaattcttca gatgctcctt 137880  
cttcacatt actggaatag gacacattct tggaagcgat gtcgttgga gactctggga 137940  
tgaaaagatc aaaggttcc agttctggaa aaagcaggt ttcaaaggac acatcacact 138000  
tgagactctc ttccaatatt tctttgatgg attcttccac cactggatcg ggatggtagc 138060  
tgtaagtatg gatatttctt agtacttaga aaaactccca tatagtttta aataagatag 138120  
atctaataag gactaatcat acttactttt gcatacgttc ctcattggat tccatgttgt 138180  
ttccagaggg ttttccgaga atgaacatag aagtaggggt tgtatctttt gctgactcca 138240  
ttgtatatta agatgcaaat tcagacaccg cctactgttc tgttagccaa tgaaaaaata 138300  
tcttctgtca gcagatataa tactatataa ggagattacc accacctctt tctttgcaga 138360  
gattattctc tgcttgaaaa tctgtaacac tgatcatgat gggatatgaa gaaaaagtgt 138420  
cagctactgg aaagactcgt ttaaagatac tggcatgtct gatcgTTTT atactagctg 138480  
cggcaataac tatgttaacg ctggaaatta tatcgaacca aaaacgtacc actactgac 138540  
tcgaagctgt gactgtggcg ctgaagcatg taagcacatc tcttgccagc tgcactgaat 138600  
ccactacttc tgtacatacc ggtagtgaa agatatgtct tttttatgtt aatgtattga 138660  
ttatatattt gcatacatTC cttagaatg gaaaaatcac ggatggtttg tttttagatt 138720

ctgtgacgag ccaacccacg aaaaacaaag aatcgaggaa aaaaattgaa gggaaatctc 138780  
 caagttgggt tcaggcttta actacagcat ctggaattat cctactgttt tgtataatga 138840  
 tgatattcat tacatgttcc tggaccacag aaaaagatac agagaagagt gaagtgcaat 138900  
 cttatgcttc ttcagtagag acttttagact ctttaaataa ggctattata ccgaaaactg 138960  
 aatgaatgt gtaatgtctg tatttttctt tacagagatg tacggagagt ttatatattg 139020  
 ggaaaatacc tgactgttct gcctatatgc gaatgttaaa gtaggtataa tataaattct 139080  
 taccttttaa gtagtattca aggtggaggt ttctttggag attgattcca ggtggtggtt 139140  
 tcgggtgcaa tcaatctttc ttctgggcgg gaagaaaatc cagcaatcca ataattgatg 139200  
 ggatgtaatc aatgtcacia atctgtaaga ttaaattgta acagtataaa ttctttcgtg 139260  
 cttatcaaat tacaattatg cgcataaaaa tatcattaaa ttgttttaaa cattcttaaa 139320  
 ttcaatttaa aataattttt gtagcaattt taaatattaa tagttaaaaa attgacttac 139380  
 cagactgcag cgatataaga aagaatctct gtgatgagaa tgttctccgg agccacttct 139440  
 tgagaaaagt ggcactgaac tggctgtaac ttctgcttat atacaattct atagcgggtg 139500  
 tgatgtacag gaaaatgacg aggatgaagg agccaatcgc tgtataatgt taaaccgcaa 139560  
 gtgtagaaat acacccttt tagacaaata tggaatggaa attagctgat gcttacaaaa 139620  
 atttagggtt ttgtcatatc ttactcaaaa acaggaattt gtggtctgga ttttttgagg 139680  
 ttttcttctt atggctgact tgtatttttt tatgagaaag acggagtttg cggttgaagg 139740  
 cgggataata aagaacactt tactgataaa ttgtcatgtt ttttttttaa aaacatctgc 139800  
 tacacatcat gaaacaggaa tgtggttttg gtgttagcgc ttctcacgaa ataaatgact 139860  
 tagtcagggg aaaatgttgt aaccgcggta cacttgacc ttaacttta tgagaaaaac 139920  
 aggaactgcg gttgctctgt tagcagattt tagggttctc gttagcctgg gtaggaaaga 139980  
 cccaaccac agtaccact aacctttaac ttaatgagaa aaacaggaa tcggttgctt 140040  
 cgtagcagt ttttagagtt ttaattcgca tgaacaggaa agacttcaac cgcaatatct 140100  
 gctaattttt aactttataa gaaaaacagg aactgcggtt gccgcgttac gagcttttag 140160  
 agttctcatt cgcctgggca ggaaataact caaccgcgtt acccgtgat ctttaaattt 140220

atgagaaaaa caggaactgc gattgccgcg ttacgagctt ttagagttct cattcgctg 140280  
gacaggaaat acttcaaccg cgttaccgcg tgatctttaa ctttatggga aaaacaggaa 140340  
ctcggttgcc gcgttacgag cttttagagt tctcattcgc ctgggcagga aataactcaa 140400  
ccgcggtacc cgctgatctt taactttatg agaaaaacag gaactgcggt tgccgcgtta 140460  
cgagattttg aagttctcat ccttattagc aggaaagatt tcaaccgcgg taccactaa 140520  
cctttaattt tatgagaaaa actggaactg cggttgctcc gttagcagat tttagggttc 140580  
tcgttagcct aggtaggaaa gacccaacc gcggtacca ctgatcttta actttatgag 140640  
aaaaacagaa attgcggttt ccccatag cagatttga agttctcatc cttattagca 140700  
ggaaagattt caaccgcgtt accactaac cttaacttt atgagaaaaa caggaactgc 140760  
ggttgctccg ttagcaggtt ttaggttct cgttagcctg ggtaggaaag accccaaccg 140820  
cagtaccac taaccttaa ctttatgaga aaaacaggaa ctcggttgct ccgttagcag 140880  
gttttaggtt tctcgtagc ctgggtaaga aagacccaa ccgcagtacc cactaacctt 140940  
taactttatg agaaaaacag gaactgcggt tgctccgtta gcaggtttta gggttctcgt 141000  
tagcctgggt aagaaagacc ccaaccgcag taccactaa ctttaactt tatgagaaaa 141060  
acaggaactg cggttgctcc gttagcaggt tttagagttt taattcgcat aatcaggaaa 141120  
gacttcaacc gcggtacca ctaacttta actttatgag aaaaacagga attgcggttg 141180  
ctccgtagc agattttagg gttctcgta gcctgggtag gaaagacccc aaccgcagta 141240  
cccactaacc tttaacttta tgagaaaaac agaaactgcg gttgctcgt tagcagcttt 141300  
tagagtttta attcgcatga acaggaaaga cttcaaccgc ggtaccgcgt gatctttaac 141360  
tttctgagaa aaacaggaac tgcggttgcc gcgttacgag acttttgaag ttctcatcct 141420  
tattagcagg aaagatttaa accgcgtac cactaacct ttaagtttat gaggaaaaac 141480  
aggaactgcg gttgctttgt tagcatcttt tagagttctc attcgtattg gcaggaaata 141540  
cttcaaccgc ggtaccact gatctttaac tttatgaaga aaaacaggaa cttgttgct 141600  
ttgttagcag attttaagt tctcatcctc attatcagga aagacttcaa ccgcagttcc 141660  
cactgacctt taagtttatg aggaaaaaca ggaaatgcgg ttgctttgtt aacagctttt 141720

agagttctca tccgtatggg caaaaaaaaaat ttcaaccgcg gtacccactg atcttttagct 141780  
 ttatcagaaa aaacagaaac tgcggttgcc ccattagcgg attttagggt cctcaccac 141840  
 ttgagtagga aagaccctaa ccgcggcacc cactgacctt taactgtatg aagagaaaca 141900  
 gaaactgcgg ttgccagtt agcaattttt aaggttctca cccgcttggg taggaaagac 141960  
 cctaaccgcg gcacccactg acctttaact ttatgaggag aaacagaaac tgcggttgcc 142020  
 ccgtagtaa tttttaaggt tctcaccgc ttgggtagga aagaccctaa ccgcggcacc 142080  
 cactgacctt taactttttg atgaaaaaca gaagctgcgg ttgccccgtt agcaattttt 142140  
 aaggttctca cccgcttggg taggaaagac cctaaccgcg gcacccactg acctttaact 142200  
 ttttgatgaa aaacagaagc tgcggttgcc ccgtagcaa tttttaaggt tctcaccgc 142260  
 ttgggtagga aagaccctaa ccgcggcacc cactgacatt taaatttatg gaaaaacaaa 142320  
 cttttttgtt catcatgcac ttttttatat atcattatat ctctatccaa tcagcactct 142380  
 tgagggtgca tacattaagg cagtgttgat ttttttcat tgtacccact tacgaataac 142440  
 gaatcaaaag ccgtgaagta gaatatttta atgatgtatt aatcatcatt tcctaccacg 142500  
 cctattaact tcagtattta taggatagc aatttgccgc tatacgccat tagctgttct 142560  
 tctgctagct tggacacagc ggtacagggt gagttatcag cgtcttataa tgtgatgtct 142620  
 ttttttttat tttctgtcg gtattttaaa agtagtctgt taagatgttt ttaaatagat 142680  
 agttataaaa tttttggaac cgtgtagtca ataaaacaat ttatagaacg gtttctggcc 142740  
 cagaacagaa attgatttat gtcgtctttc tgaattacag gaaaattgcg aggataact 142800  
 ttatcaaag taaaattata taccctctgt gatagattta ttttgtggat atttgaatgt 142860  
 accatcgagc gtatatcaac gcaagatgtg gctatgatgg gacacggtcc tatctgtacg 142920  
 tggtcgtttt cattaattgg gaatattatt ttttgacccc caaggaggga ttttataata 142980  
 ttaaaatttt caaagttgat acttatgtct ttccaccaca agactaaaac ctgtccgtaa 143040  
 gctcttaa at ttttagtatt caaagatccg tgtaatatc catgtaacgg gatattttca 143100  
 agaatggctc ccgttaacat cgattttcca catccgggtg gaccaataaa actaacggtg 143160  
 ttttttttcc ctcttctgtg gcttagccac tgatataata tggttcctgc taatataggg 143220

tcaaaagact gcagacagaa caactggtta accgggtttt catagatttc aaagtcagt 143280  
tctatgtgcg ctataaaatc gatagctttt ctagttgctc ttattctttt tttagatata 143340  
gatagagccc tatggattag cacgtccccg tgtgttagtg tcaataattg catgtatgat 143400  
ctaacgtctc ttcgtatcca cgcgtcttcc gtgactattc caagatcaga cagccattcg 143460  
atggttccca gaaatttaga ttttaaagat attctgttgg tcccatcctt tggaacagc 143520  
ataagtttaa cattaggttt tttattgaaa tgggatatga tgtgttttcg atgtatttca 143580  
tcgcatacgt ctcccagttc gttaatattt gtccatgccc attggaactg tggcttaata 143640  
attgaagaa gggcaaaggg gatataactt agactgaaga cctgtgttcc gccaccattt 143700  
ttctttgttt tggcatacgt gcaccaatca tctatttttag gggcgttccc gtcgaagaaa 143760  
tctttaatta atacaccctt gatttccgtt gtgtgttttc ctatcgttgc ggtgggaatt 143820  
ccatctaaag ctatcaataa tgtaaggag ggtctgccag ctttattctc cgcttgagcg 143880  
taccactttg caggggtggg gacggcagtt ttattattcc agtaattgag tatgacatcg 143940  
atcattttgg tacatgcagt tatccattta atatcgggcg ctcccgtga gtgcatactt 144000  
ctaaaatgtg gcacgggcac gttagagaat ttacaaaaaa aatccgtaga tattccaggg 144060  
atttctgcct cccactccac ggggcctttg atagtcaaca tgatatattt gtcttttagtc 144120  
caaaaatcat cacttggatt tattatggaa aacataccgt ttgtgccttc caagattttt 144180  
atagttgtat acggaaaata aggtaattcc cctggcttgt cacctctaga tgtcttcaaa 144240  
tctggaagat ttgttatggc aacaaattct cagtatggat ccggcggaac ttctgtcgga 144300  
caatgcaatc tcgtccacgt gtgacgaaaa catcgcagct ggacatcatt ttacgcaacc 144360  
tccgcacgtt gaaatgtcag tccaatcaac gacatcggcg ggtcatactg gagtgatgac 144420  
gacacagtcg cagttttcca atggcgtacg ggatcaaaac cgcgaaacac tgtcgactct 144480  
gacgggcctc tcgctggaac gcatcaacaa tcaaatcaat gttcaacca ctcagatgac 144540  
ctttcaacc atttccccgc cgatgcaggg tcagaattat gtctatagca ataatatgat 144600  
caatcccatc aaacctagat caattatcaa atcacatggc cattcgatgg gggagatgtc 144660  
attgcagac cattccttgt atgttaatgc tcaaccgcct gtccaacagc ctcaacttaa 144720

atcccttgta ggtatgcac catgcatgac cgctacctca cagggtaaat atgagacaaa 144780  
taaaactgtg gggccaccct ctatttcagc ttcccaaatt actacgggaa atgccggtat 144840  
aagacccggg gaatatcagt ctgtccataa tcaatcttct ggaaacgggt ctaagtctta 144900  
tgagatcacc acggcatccg gcgatgaatg gatactgact acacccggcg ggcaatcctg 144960  
gactctgaaa cggaaccccc ctaatcctcc gaataacaga actaattcag ttgtcaacaa 145020  
ggcacaacag gtctcgcatg cccaacctta tgtctctggg tctagcgacg gtttctatca 145080  
gggggctgct ctccaatcat gtgcgtatgt aaatacgcca ggtttcactc ctgtgtgcga 145140  
aacacagaat atgaacaact cacaggcgac acaactaagc gcatccatga actgcataaa 145200  
tgcgttatca actactatgg atgcgattgt cacttctact tccaagccgg tgggggtgg 145260  
atcaaataat cggggtgcta attttggaaat gggaggcatg gagaattata tggataataa 145320  
cagtccatgg aaccaatact gtaaagttca agacattgta tctcaaaact gctcccagg 145380  
aaaagttgtt tcttcgacac cgggaatcgc tcctaactctg atgaagggca acgggttgaa 145440  
tgtttatggc catgtgggggt gtgtagatgc ggccatttcc gataaacaag gtggcaccgc 145500  
taacgtcgca tcttctctat tgaatccgga acatcaagat tggatgcggg tgaccgggac 145560  
gagcacaaat ctgttaaaca atataaatgc tgaacaaaaa atggagaact atggttttcc 145620  
ggaaaatggg aatgtccacg gagccgtcaa tacagcttta ccactaactc tatccagtgg 145680  
tcagccctac acatctgtgc cacaacatgg cgcattgtgaa ggaaatggaa caattccgt 145740  
ggtacagatc tgcagtccca atacggcggt caaagcgac tacagtttgc tcggtacagt 145800  
ggatgaaaac aacccttgt cgcctcagaga gagcatacag gacacaagtt ttagtaatgg 145860  
atgtgtcct cagttgtcct cgcctggagg aaacccgaca ataattgcac attcaatgat 145920  
tggaataaac ggaacccga ataaagatgt atgcaagcct accccagcc tacgtgcaat 145980  
aaaaaatta aactttgact atgatgaccg aggggaaaat ataggatttc cttccaaact 146040  
ggcagccctt ctgtctatgg gagaaaacat gtcaaagatg gacaatcctt gttatggaac 146100  
ttctctagcg cagttcgagg aatcacatca gcagaatgca tcggagggta aaatatccat 146160  
tgcggattta gagttttctg aagaagatga tgtgttttcc agtgcagcct ctgtcagctg 146220

taatgacaac tgcgtcatga agatcggact tcagcagcaa ggtaccactg tggctgattt 146280  
 acaacaaggg ttttaagcaac aatgaacgg agaattctcc atgtttgcag tggacgagaa 146340  
 cattaaaaca caggagatgt cgaatgactg cgcgacaaac gtcacggata atgtatgcgc 146400  
 cattcgacaa aataaacgta tgcactgtga aattgggatt tcagaggatg gccgggtgcg 146460  
 ggaagaggag aagtgtctag acgtcgcaat tcacgttccg cggaaaagtg cgcgtattca 146520  
 taacatgaag tccgaaggcg tgacttgcgg tatgtgtgtg acggctgcgg attccacacg 146580  
 gcaggatgcg tctggaggtt cgagcagcgg aaccaagaaa ggcgaaaagt tgcaaggact 146640  
 ttggaaggga taccaggatg acgacgattc ggaattaacc gaactgtcgg atacagacag 146700  
 cgacaacgat gtccaaaact gtcacggagt aagaaagacc ggttccaaga cgtactcttc 146760  
 agtatttttt aatcctgact atcgccaagc caagagattg cttgccgaca ttccatacag 146820  
 aagatggatt ccggacacat tcaacatgga agaacacgag ggtccattcc ttccaatagt 146880  
 gactagacca cccactgtgt ttattggcgg tagacgccgg aggacttacc tccggcgaag 146940  
 tgtcacctct atcggtcttc tgagtaaatt aacttacttc aaagaattac tgcagagcta 147000  
 cgtgttgaga aatagcaact gttattttaag tatcggttgg cctgccaaac acagggtgta 147060  
 tatcatgtca gaggagaaat tgggggtataa tcatatacct accttgaggg agatgtttcc 147120  
 actgccaccc ggatggatga ttgtccttgg aattgtcggg tcagagacgc ccgcggctct 147180  
 gtataaacac atggtggttc tctgtgtga aaataaatgg gtgcttctgc ataattaccg 147240  
 ggactctaaa cagagctgt atttcgccgc ctcggatttg aaacagtta tggaggaggg 147300  
 tctgtctaga tgtgactgca tatattatga aaagtcagt cgtacggcg tggccatgga 147360  
 agactctgtt cgagagttct tgagaaacag taaaacgttt cagagtctta tggagtatag 147420  
 gaagaatatg cacggattta cctggacctt taacggaatg cctggtagac tgggcgacag 147480  
 agttatacat atctgcaatc ctgaattggt taactcaatc ccagcagacg aggccatcag 147540  
 atatgaagga aaacctttgt atttctttgc atttgtcacc actttcaa at cacaccccg 147600  
 tagcaaggcc aacgtattga tcgctgcgga taagaactta gggatatacg gctatcataa 147660  
 aggtcgcccc aggatacggg acttgtgcaa gaacgtacag gcttttttta gagccggagt 147720

tagaaaagatg tatttggatt atgagattcc atcgaaaacg ttgcttgccg tcagcaaaga 147780  
tgactatctg tgtactctac aaaaagctcc ttgtctgctc ttaaaaccag ctgtgttttag 147840  
aaagactttc tctcaggaag gtaaataaga attgctatgt caagagtttt ccttgacagt 147900  
tcccaccctc tttttttaat taaaacagaa aggccattga ttccatccgc taagagattt 147960  
actgtttctt tgacatttat cagagatacg taatactcgg tctactgtgt atttgttacc 148020  
ttgtaatctc taggtaaact tctgctatit ttaatgttga ttaattggac attgttgata 148080  
ggtaaactgt tctttcaaaa tgaccagaga ttctatgtac taatctcttt gttttttttt 148140  
tctgtgtatt gtgataggga aggtttgtaa ggacaaagga caaagttcag taagatttaa 148200  
taaaataaca tgtgacacaa tttctgactc tccctttcag taattttttt attttaataa 148260  
tgtccgttgc cataagggtga gggcaacgta gggctctgagg gataaaaaag taattcgttc 148320  
atatgagtag tcggataaaa catttgtagt tttttttcta aaacataacg attatctcga 148380  
tgacattcat accggaataa atccgatata aacgtttcca tctgcagata tcttggcccc 148440  
tttttgtgtg ctgacatagc actttcgggt aaattttcta tcacagctct cccgtagtca 148500  
cttaaaaaaa aaacaaaaaa aaagacatat gaaattttat agtaggccta cctgcaattt 148560  
atataagtac ggatgaaaac aaagaaacaa acatagtgga aataaaatga ttcgcatgtg 148620  
aattaatacc taatgactag attgaaatcc atccatgtta cggaccaggg tctttggact 148680  
tggtcttgca tagtatatac aattgttcta ttgtccgtga aaggtcgaca aaatttctgg 148740  
cctgcatttt gaaacagact gaacaaatat caagttatag attaaccggc gatgtcctgt 148800  
gttattacgc agactatacg cgtatacatc cacatacacg cacacacgag aaaatgggtg 148860  
actaatcatt caagtttacc cgtggtgaca ttttccccga gtagatagaa cgacacttac 148920  
atttcaccgt ctaggcaggt cggagtcgag gaagatacag aactcagtga attaagaacg 148980  
acatagtgat cacagcacga agtaatcttc ggtaacgtgc taaaaaacgg tagcgcagcc 149040  
actccaggat atgcatggaa atgtgttaaa atatacacag ccacgaaatg cataattatc 149100  
tagcagcaat agtttgttat ttaaacaatg tttttttatg ttcatttaaa tatagtatga 149160  
atatttacia ctaaataatc aatcgactat acacatggtc gttaacgcac tattacatgt 149220

gttccaaaaa acagaggttt atcgggagtt atcgttatct acatcgataa agtgtacaag 149280  
 tctacatgta aacatcacag gaaaatatag aagtccgagg ccgtgtacat ccaaacacgc 149340  
 acaaataacg gtcaggttct cagcacagta ggttctgtag ctgccatttt gatgttctga 149400  
 aagtatacat ctctcggggt gtaaaatacg tgcccaccct cgcataaagc ttgtccgagg 149460  
 tgttcatatc catatatattt tttttcgaa atattttgtt tactatatct cgcttggaca 149520  
 gtgaagatgt tgtaaccat cagtagtccc gcatttctga aacgttggtt tgaagttccg 149580  
 gtctgtacaa agatggtgct gcggattaag aaaaactgca taaatataaa aaaaaactcg 149640  
 ggaaaagtca tttgtttaat tatggccttt cgtcttctaa tccaaagaaa gtgaaattaa 149700  
 acgtaaaaaa aaaactctac atacagattg atagttaa acgcgtcacc ataatgcggg 149760  
 actcatatgg gtcggactgg ctatatcgta ttaataatta gtcgttgta gtttttctgg 149820  
 caaagagtgc cacaatgcgc ttacgatggc cggatctatg ttgctgtgca taaccgaaaa 149880  
 agcaaaaaaa aaaaaaaaaa taaatataac aggttactaa aaaaaattcg ttcctatcaa 149940  
 tcccctatta ttaaaactca ccgtatagat gttcctcgct gtccgaccag tgacaatatt 150000  
 tgtgaggcaa gtcgcattcc gatggtttcc atcagttcct cagtttcgta cagtgcattt 150060  
 ttaaacgctc tgtgagaaac acaagttaag aaatctcaaa tataaactct ttcaaacgat 150120  
 acatcgaga tagtataaac tcgaactcac gttcaaagaa gagaaaataa gcttacttac 150180  
 agtacggaag ataaataatt ctctgtgctg ttcttattca aacgtgaaca ccattcgtga 150240  
 ccttgcaggg tttgaaatct gacaaaaaaa gcgaatttcc aaattagaat ttcagaattg 150300  
 tgttccactg ctatatggca aaaccaataa aaaacataga tgtagttttt tttttaaaaa 150360  
 attagcatga atcactcaca cgacgtagct atcgtttgga caatgattat cgtttatagg 150420  
 gacgtatgcg tcaacgacgt cctgccacgg ttcgaaatac tcagtccgag tccatgagtt 150480  
 agaagattgt aacgtaggac gatcatggtg cacgtctcgg ggaggacaac atgtgccatt 150540  
 ggcggcaggt ttagacttca atatgtcctc tatgctaacg gacgcgaagc gcgtgcaggt 150600  
 ttcccaatct tgcccgtcgt tgtcttttcg aacgatcgca aacgaggtta acgttttgat 150660  
 agtctgtccg ccatggtttt gtatcttcaa gagtctgata ttgacgatca gttcgttgga 150720

ttttgagtgg atgaatacat gtgtgccgca caaagaggca agatacaagg aacgagaaaa 150780  
 aatttttcttg ttacgaagct tccagcccca tagtttctgc tctgaaagga tgtaggtatg 150840  
 cgtgtggggg tgacacgtat gcgcgtacat ggggtgtggc tgtcttctaa gaggggggtg 150900  
 agtggagggt ggaggagaag tgctgcgaca ttttagagt gacaggtgca tccgagggcg 150960  
 gggcgggggtg tataaatggg actcttttta gtgaattcgg gatatttata cggcggggat 151020  
 cttacgcttt tctatgtgaa taaatacaca atgcatgcct ttccttgctg ataaaggaga 151080  
 cgtggcggga aggcacaaaa acttgtacaa gtactcacca tcgagccttt tccagtctgt 151140  
 agttttggcg tagctccaat ttactagtca ttggacaaaa agctatcgcc gtcacgcgg 151200  
 ttagtggttt caggcgtcc atataggcca aactattata gttgctcccg aaagcgccat 151260  
 atagcagaga gaagtgaagg ccgaggccgc tagagagaat ctgtgataga cccataggca 151320  
 ttaatctgtt tttcaaat ttcactctc tgctttcggc cgagagagga acgcagatta 151380  
 tgatatctcc gaacatgatg ctgcggggaa ttaactatga ttattatata ttcatttatt 151440  
 tgttatctcg gcggattccg acatcggtgt ccgggagaat gagcgcgtgg caaataaaca 151500  
 agacgaaata aaataaaacg ctagatcctt accgtgcctc tgtctctatg agacaaccgc 151560  
 agctgttatc atcgcaaag gcgtagttca ggaggtcttc tatatcttct aaggtagtag 151620  
 ttgggggtata atctacgggg acaaaaactt taaggcctcc tagacgtgac atttcggagg 151680  
 tagaaaattt agagatgatt tcgggtagcg ttcgtcttct gggcgtagga tttgtaccgt 151740  
 cgtaaatgtt aaaataaatg ctgtcgtcat agtattttgc ggtatagtgt tcttcgtcgt 151800  
 ccggcggcgg tgtggattcc acggttcccg catctcggtg gaccgtagca ttcgacagg 151860  
 ctgtcgccat ggaaatcgcg cacacgagta tcggcgcaga acatctcggc ggtctcatag 151920  
 cgcttagcgt tgcggtcgcc gttctccgtc ttagtcttgc gaaaatgcgt atccgcgga 151980  
 ggaagaggac agaaaggaag atggtgttag ataagatcta caggaggaga aacgggagac 152040  
 aaatcctacg aggacgggag agcataatag agcggtttgc atccgggaac attcgcgtga 152100  
 atgtaaagcc acaagaaatt aatgcaacta gagacttccc aaagatgata tatggctaac 152160  
 gagcaacgtc tggcgcgttc aactcgttt accgtgtgtg actgagacac gtagtcttca 152220

atctctgcct tgtaaaatca tacgtgggtg gaaagatcgt gcggtgtatc gtcgtcgggg 152280  
agcgactacg gagataagtc tggggcgatc atttttatct gcgacgatat aaaacggggg 152340  
gggggggtgg atgaatcgat aacgaggaag aaatacatct gatcgtcatt tggcgatcag 152400  
tagtttgctg gtgatttctt ccgtaaccgg cgtgtgtgta gactttagtt ttgggtggtca 152460  
gatattaagt cttgatcaca cgcgtacccg cgcgtttgta gcggcttctc ggggtgtctta 152520  
ttttcacccc gcagctgaac cgcactccgg tcggggccact tcttttcata caggcgttgt 152580  
ctgtctgctc cggggagctg ggctgcgctc gggccgggac acttattccc atacaggcgc 152640  
tgccttctct gctttgggag gtcggactgc gtcggggccg ggatacttat tcccatag 152700  
gcgctgcttt ctctgcatcg ggaagtcgga ctgcgcccgg gccgggacac ttattcccat 152760  
acaggcgctg ccttctctgc tttgggaggt cggactgcgc tcgggcccgg acattattc 152820  
ccatacaggc gctgctttct ctgcatcggg aagccggact gcgctcgggc cgggacactt 152880  
attcccatag aggcgctgcc ttctctgctt tgggaggtcg gactgcgctc gggccgggac 152940  
acttattccc atacaggcgc tgctttctct gcactcgggaa gccggactgc gtcggggccg 153000  
ggacactttt ttgtgcgata ctgttgctct ggaagacaga tatcctcgcg tttcaaaaat 153060  
tactttaaac tccccggggg ggtaaaaaa aggggggtat taaccctaac cctaacccta 153120  
ggcctaacc taaccctaac cctaggtcta accctaacc taaccctaac cctaggtcta 153180  
accctaacc taaccctaac cctaggtcta accctaacc taaccctaac cctaggtcta 153240  
accctaacc taaccctaac cctaggtcta accgtaacc taaccctagg tctaaccata 153300  
gccctaacca tagccctaac catagcccta accctaacc taaccatagc cctaaccata 153360  
gccctaacca tagcactaac catagcccta accctagccc taaccatagc cctaaccata 153420  
atcctcgcat ctggccctaa cactaccct ctttcaacca ctcaccatca cccaccgc 153480  
tgcccccccc cacacacaca cacacacaca cacaccgcca ccgtaccac cacctctgaa 153540  
cttcaccttt tccctccatc tcgccccact tctctctaca cttctcggc cctctattct 153600  
tactcctgtt ttctaggatg ccgctgccgg cgcgtgtcag ccacgccctg catcgtcttc 153660  
cgtgtccca ctattggtgg ctactgttgg gtcgacactc ccttcgtcat gtccattcct 153720

accttcgcct gcacaaaggt ctacgccttc ctttaccttg gcccgagcaa gaatgcctgc 153780  
 atttacatcc taagccttac aagtttctcc tgcgttaccc ttgtctaaca agacaaccgc 153840  
 atcttcttca gggctggccc gcggattctt ctctatgtga gtgacattta cacttccact 153900  
 tggtcacatg atttattgtg tttgtctgc tacaccaagc acatttcggg ttctctttta 153960  
 tacatttgc tctattctct cgggtctcagg gttcgaccct aaaccctacc atcttcggcc 154020  
 gacagcaagt tgctaccgct gggcctgac acgtgtccg ctttttccat gcgcgtttct 154080  
 gagccgacac actgcagcgg cttccacgcg gcacatccgt ctctcagttg gttaacggga 154140  
 tcgtccccct ggctcgtgct cctacaagcg ccaggagggt ctctgttctg ccacgacgtg 154200  
 ttccaaggcc gactctatct cctgtcgcac tccgtgtcgc tctttctaaa gacgggcctt 154260  
 cgccagtgtg aggccatcta tcgcgaccg ctgtggcgcg tacggcccct gccgagccta 154320  
 tggacgtgtc gagatcccg cagggccttc ttgccgaaat tactggcgag aaccgcccga 154380  
 cgcggcctgg ccgctttcta tgccctgtgg agactgcac tgggatcccg ctcgagctc 154440  
 tctacccccg tgttgagtg ggagagaaca gagctggtcc tgacggatcg gagacgcagg 154500  
 tggccgtgta cgcacctcct gtccggctcg gagttccagc gcgtttcttc gagtgcgc 154560  
 ggagacacat ggaacgcagc gacagagaag gcggcggggg gaaaagagga ggcggagaga 154620  
 ggcgggcgac agcaagccac tgacagactc gcaagtccgc acctgacgcg gggcctccgc 154680  
 gactccggtc ggtcccttca gggtaggag ccagcgccg cggaagactt tgcgaggtgc 154740  
 agaccgtgc tggacgaact gtgcggggag ggcggctggc ttccctttgc gtttctcag 154800  
 gcatctccgc acgtctgtct gatcctaacg gagggaggcc ccgtcctggc gcttgacctg 154860  
 aacgacacct ccctgtggcg catcgcgac gacttgagc tgctgctgcg cctggggagc 154920  
 ctgctcctgc tctcagggt ccggcttct ctccgtcccc cgagcgggag cggcgaggcg 154980  
 gcgagaaagc cggggtacga gaaggaagag ggaagaggga gagcggcgac ggcgagcgcg 155040  
 acggccgca cgtcgcccg cagaccgacc cgtccgaggg gggtagcgga gaaggacgt 155100  
 gtgacaaccg gggacgtccc tttctccgca catcccgaat ctgaggaaca gacagacggc 155160  
 caccacgggc gccaggaaag cggccacggc gaccagcgcg gcggggacgg acgaggacac 155220

cgcgatgacg gcgcgcgccg ccacgcgaat gacgaaacag agccccagca gcgcggagag 155280  
 cacgaggacg gggaacagac cgactccggg cgcgaggagg acgcacagga gagcgaggtc 155340  
 gcaagaagag acgagaaggg aacggagcag ggcggtagcg gaaggagctg cgggagggca 155400  
 aagcagacgt acggcgggag aggcgaacat ggtgcctggt cgtcgatccc cctgtctgtc 155460  
 cccaggcccc atccccgcgt gtgggtccct cctcctcctc tgttattccc ttccccgtg 155520  
 ccgtcgataa cgcctcgaga agacgagccg tccgccccgc ctcggtgccc gccaggcccc 155580  
 gcggaggaac cctctaagtg ttctccgtgc ccgccctgcc cgtcgccccga cgcctccgag 155640  
 tccgtgttcc cgcgcctctc cgctctgtcc gtccccctgc cgtccaccgc gcgtgtccgt 155700  
 ttctccctct cctccctctc ctccctctcc tctcctctct ctccctctc ctccccgtcc 155760  
 tactctccct ccccgttgtc tccgccctct cccgtctctc cctcgtctcc cagatctccg 155820  
 ttcatctccc ccattagatc tccgggactc cgagcaaagc gcggggtgtc ctccgggcat 155880  
 cccgtggcgt tcccgccggc gccctcgtcc gcgcgcctt tttccaaaag agtccccgtcc 155940  
 gttccctcat cggcatctcc gtccgcgccg tgcacggca ggtcgcggcc gccctccgca 156000  
 cagacggcgt gagacgccgc gtgaggtgac ggaggcggcg aaggacacg agaagaacat 156060  
 gcagaagaac atgaagacga agaagacgaa gaaacgagga cgaaaggagg ggaatacacc 156120  
 ggagaccgag cggcggatgg agcccgctcg gttttgcacg tccgcgatac cgagcggact 156180  
 ccgtcgccgc tccggaccct ccacgcccct ccgtccagga cccgaggtcc gacacgcccc 156240  
 cacctcgcgc acctcctccg ccaccaccgc tgacagtcac cgcatacac cccatacac 156300  
 acccagcagc agaggccggc gcacacacac gcgcggagca cgcacagaaa cacgcgagac 156360  
 atcgcccgcc gaaattaacg gagtctatgc gcgcgccgtg acacggaaaa ccaagcggag 156420  
 cgagacgata gaccgactcc tgetatcctt cctccctggg tacggtccac acgccagtct 156480  
 gcggagtac ctgagggccg gatccgctcc gcgccccccg cccgatccgc cccgataaaa 156540  
 aaaaatcatc tgactcgtgc cagttcacac agatgcaacc gatgacaaaa aaaaacacac 156600  
 caccacaagc aaacgctcgc cggcccgttc accgtccctc tcacccccac tcgaatcgcg 156660  
 caggcgcgtc ggcgggcagt cccccgaacg cctccacggc aacgtcctc ccacgcccc 156720

tcggtccccc cccccctcc ctccatcccc ctccccggag catacacgcc gactctctcc 156780  
 gcagaggcgg cgaccacagc ggcagcggaa actgtaacgg ccacgttctt tgaacagtga 156840  
 cagtaacggc ggcgggcggt gtcgccgtca cggtagtcgt ggcgggagcac ccggggaggc 156900  
 gacgacgggg actaccgatg ctctcagatc atcgccatag tgaaagagta ccgaataaaa 156960  
 caagttaaat tttgttgtaa ataaaaaaaa aatactatgt ggaaattaaa aataaaaaaa 157020  
 aaatgaaaat aaaggctaaa cactgactaa acgtgcatcc ttctccgtac gtcccccttc 157080  
 aataaatggc ggacccgacc tctccataaa cggagacacg ccggggagact ccggccctcc 157140  
 caatccacag gtagcccgag acctaatac aaaactgtac ctgaaaccga aagtatagag 157200  
 ggcggcctcg aatgccccac ctatgaggcg ggacttcgcg acgcgccacc cttcctatac 157260  
 gcccggcctt ccgctgctgc gcctatagga cgcacccct cgcgccgaaa ccgcaacgcg 157320  
 gcagagtgg cgccacaccc ccgtcccccg agttcgcgat gggctggcgc cgaccctgcc 157380  
 gcggcaacga aggcgaaaac agaccccgac gcatgcgggc ataaagagcg agaagtaaac 157440  
 gcggggctcc gaattatcgc gagactattt gcccgggccc gccctcgtcc tcattgccctt 157500  
 cccccgccc tcattccccg acacaccgg tgggaaaaac gaaagacaca taaataaac 157560  
 gaattttgtt gttaaaaatg tttccacgtg acgtcccccg tgattcccg agatgcggca 157620  
 cgcggcggat tcgcccgttt acatcgggt ccgcagacgc ggttctgcca gggcgttgcg 157680  
 gtgtcggttc cgcacagaac accgcgttcc gtcgtcacg ttcaaccgcg cggtagtctc 157740  
 gcgattctat ggttcacctc cgtcacagc gttctcttc tttattttt cactgagccg 157800  
 ctccaccacc aagagtgtta ctgactacac cgtatacatg tttttttatc tctccacccc 157860  
 tccccatcac agaccatcaa acaccttgcc gtatcgacac tgactatact cgaccgcgga 157920  
 tgacaacggt cgttggtcac aacaagagct acagcggaca gcaaaaataa gataaatata 157980  
 gtaagagaga ggccccggtc cacataggaa gccaaaggcg gacgaaaata aaaaccgctc 158040  
 cgtgattcac acacgaatcg ggggttatga caacgcgaca cacgcagatg aggacggac 158100  
 gcatcgcgat ccggcgcgac ggggcgcgat tggcccacgc gcgagcccgt gcccgcttcg 158160  
 agtggctgct cctggctcgc ggcaggccgt ccaaactgta cggtatacag agtcggcacc 158220

ggggagaacg gatccaccta ccgtggccgc ggtactgggtg cctagaactc catccggatc 158280  
 cgtacagggga cgccaggagc gccaccgtgt ggggtcaccg ctggggtttg ccgccaacgc 158340  
 acgtgagacc cagatccgtt caagactgcg gtgagtgagc gccgccgcga ccgacgacgc 158400  
 tatgcgacaca cgggcgagcg gcggggaggg acgtcggccg cagggcgagc ggggtggaggg 158460  
 cgagcgggtg gaggccgagc ggggtggaggg cgagcgggtg gagggcgagc ggggtggaggg 158520  
 cgagcgggtg gaggggtgagt ggggtggaggg ttcgtcgaaa accaccgaag acattggctg 158580  
 gcggagagtg gggacaaaac aacgtcacgt caggggcgga gaaatatagg gtgcgcagac 158640  
 cgtcaaagcg cgagttacgg aaaacgagta cggatacacg gggggggggg gggggaagga 158700  
 aacatggtga agtctgtgac acgcgtgacc gtcagccggc aacgcctgcc acggcctccg 158760  
 gcctcacaga cgactcacgg agtttctcc agacattgtt tttttttttt gtattcatcg 158820  
 gtaatgcggt atacgtaaat tccccgcaa ggtactttcc gttaaggacg gtacaggcgg 158880  
 tatgacttcc ggaacacgat gattacggat atcctgcata gtgtacagga gaccgctttt 158940  
 ttttaggttc cgtataaaac gtacgtcggc gacgtacaca caacggttaa aaaaataaaa 159000  
 aaaaaagagg aaacagtaaa gtcctcctt tctctgtgt tatcgcgttg agttagtagt 159060  
 cgccattgct gttgcgtatg cttttcgcgt taacggtacg cgacaggata cgaatgcgtt 159120  
 acacgccgca aaggcatccc tacgatgact ctatgcggca tctcccgttc gcgcagaaac 159180  
 gcgagttccc gggacgccag tcgtgacgtc cggccgatgg gatgcctttg cgtgtgcgga 159240  
 tgttttctgc tgttttatag gaacagagac aagagacgaa aatagcgga cgcccactat 159300  
 aacgtgcatt tttctctgtg ttttgcgtt tcatgtttta tgattcttct acggtatcgg 159360  
 ccggaacggt catcctcgat ctttctcgta cgcgtgtccc gcccagccc tggactcgag 159420  
 tctgtacgta tgttgcgat acggagaaaa acttcaacce gtgggcttcg taagctcgta 159480  
 tctgaccac tccccgtcg acacgttcg cgtgctcctg gtcggtagag acggagccgt 159540  
 gtacgtccac cacatgaggg cgccagact ctgccgactg gcgtcgaacg taacggagtt 159600  
 tgcaaggcga gggctgcagc gggaccccgt ggcgtatgag gaggacctag agctgccgga 159660  
 ccggcgtatg tgcggaacga acgtcagaca tctgttcgac gtgatcgccg cgcccgccga 159720

cgaacacgac ctgctgaccg tcggcggcct gtgtcaaacg cacgccggag tgagctgtga 159780  
attactagag accgtgcgag atccgtggac ggcggttccg ggcgtagca tgactctgac 159840  
cgtggcgcgg gctcagtatc gcttgtggcc cgatgcccg agacagctcc gcctgcacct 159900  
gtacgcggga caccacctgg gaccgtggat agtgtgcgcc gttctgtctc gagagaggga 159960  
gacgcagacg ccgtgcctc cgataggcag cggaggcgtg actctgggaa acgtgccac 160020  
gccggggcca cgcaagtgg agacggcttg ggtgatcgtc acctggcggg accgtgtta 160080  
tcgttctggc ccgataacgg caagatctgc cgtctggcga actcgttcgc cgccctgtgg 160140  
aggatgggcc gcgggccatg agaggacatt ggacgtattc ggccccgggt agacatctcc 160200  
ccgggaacgc ttggccactc ctgtgaacac gtgagaccgc cggtcggaaa acttccccgg 160260  
caaagagcgt acctggatta gacgccacgg cggagacgta aggatgcgat atacggccag 160320  
agacatgacc ggaggaagat catgacaagg atctcgaaat ataaaacaaa aaaaaaaag 160380  
tgaggagtgc gcaaacgcaa gaaaagaaaa agcagaaccg cgggtggagat gtctatccgc 160440  
ctgcgtgtat gtgtgggggtg tgtatatgtg cgcgtgaccg tateccctccc tgcctttaac 160500  
ccgatgagaa ataaaatcgg cgaatgtaca caatcacaca caatgtgctt acgttccgtg 160560  
ttactgacac cacataacaa aaaaaaaca tacttctgt ccgtagaca ccgccgcct 160620  
ctagcggagt tgctatagca gcgccgatg ccaacgcgac acggtgagtc gcatagatcg 160680  
ggactgcttg aaagcgcgcc acattgcct tttatataga cgccccggg agtgggagga 160740  
gccaacatac acacgaggtc ggtctggggt tggagacgaa cgcggaaaat caacggcgta 160800  
aaaaaaataa aaaaggcgga gacacatagc cttggcggga agacgataac aggttcaaag 160860  
atagacagtg aaaaaaaaaa aaagaggaga ccatgacatt gaatacacgt gcggcggcaa 160920  
tccaatcaac gggacgtgcc ggggcgcaaa aaaaagtata cggaagtga tgcgacagac 160980  
agtcacgcgg accgacgaca aaggccgact cctagcatgg caactaggaa aaaaaataa 161040  
gcaacgctgc aaaatactaa caaaggaaac atcccttcac cccctcccta ccccgctac 161100  
cacaataccc cccccctcc gtaatcactt ctgtccgcgt ttctcccaca ggcgcggtgca 161160  
cacgcagaca cgcagacacg cacacaccac ctctatggca gtcgcgggcg ggcaggcggg 161220

gagcatacgg ggggcagatg taaagtcaat gaggaacggc atagcgcgcg acgtgccgtc 161280  
gtctcggacc cttgctattc tggcacgacg ccaagggaag cctctggcgc aatctataac 161340  
cctaacccta accctaacc taaccctaac cctaacccta accctaacc taaccctaac 161400  
cctaacccta accctaacc taaccctaac cctaacccta accctaacc taaccctaac 161460  
cctaacccta accctaacc taaccctaac ccattccccca acgcgcgcgc gcgcgcctct 161520  
atgggaggcg ccgtgttttt caccaaacg cgcgccactg cgagaggcgc gtg 161573

<210> 2

<211> 153080

<212> DNA

<213> Human herpesvirus 7

<400> 2

ccccccgttt cgtatttcaa atcctaaata acccccgggg ggtaaaaaaa ggggggggagc 60  
taaccctaac cctagtctta accctaacc taaccctage tctaacccta accctaacc 120  
taagtctaac cctgacccta accctaagtc taaccctgac cctaacccta accctaacc 180  
tagctctaac cctaacccta gctctaacc taaccctaac cctaacccta gccctaacc 240  
taaccctaac cctaacccta accctaacc taaccctaac cctaacccta accctaggtc 300  
taaccctaac cctaacccta agtetaacc taaccctaag tctaacccta accctaacc 360  
taaccctaac cctaaccctg accctaacc tagctctaac cctaacccta accctaacc 420  
taaccctaac cctaacccta accctaacc taagtctaac cctaacccta agtctaacc 480  
taactctaag tctaacccta accctaacc taaccctaac cctaacccta accctaacc 540  
taaccctaac cctaagtcta accctaacc taaccctaac cctaacccta accctaagtc 600  
taaccctaac cctaacccta accctaacc taaccctaac cctaacccta ggtctaacc 660  
taaccctaac cctaagtcta accctaacc taagtctaac cctaacccta accctaacc 720  
taaccctaac cctgacccta accctagctc taaccctaac cctaacccta accctaacc 780  
taaccctaac cctaacccta accctaacc taaccctaac cctaacccta accctaacc 840  
taaccctaag tctaacccta accctaacc taagtctaac cctaacccta accctaacc 900  
taaccctaac cctaagtcta accctaacc taagtctaac cctaacccta accctaacc 960

taaccctaac cctaacccta accctaaccc taaccctaag tctaacccta accctaaccc	1020
taaccctaac cctaacccta accctaaccc taagtctaac cctaacccta agtctaaccc	1080
taaccctaag tctaacccta accctaaccc taaccctaac cctaacccta accctaaccc	1140
taaccctagc tctaagccta accccaaccc taaccctaac cctagctcta agcctaaccc	1200
caaccctaac cctaacccta gctctaagtc taaccctaac cctaacccta accctagctc	1260
taagcctaac cccaacccta accctaaccc tagtctaag cctaacccta accctaaccc	1320
taaccctagc tctaagtcta accccaaccc taaccctaac cctagctcta agtttcaccc	1380
caaccctaac cctaacccta gctctaagtt tcacccaac cctaacccta accctagctc	1440
taagcctaac cccaacccta accctaaccc tagtctaag cctaacccta accctaaccc	1500
taaccctagc tctaagccta accccaaccc taaccctaac cctagctcta agtctaaccc	1560
caaccctaac cctaacccta gctctaagtt tcacccaac cctaacccta accctagctc	1620
taagtctaac cccaacccta accctaaccc tagtctaag tctaacccta accctaaccc	1680
taaccctagc tctaagccta accccaaccc taaccctaac cctagctcta agcctaaccc	1740
caaccctaac cctaacccta gctctaagcc taaccctaac cctaacccta accctagctc	1800
taagcctaac cccaacccta accctaaccc tagtctaag ttcacccaa ccctaaccct	1860
aaccctagct ctaagtctaa cccaaccct aaccctaacc ctagtcttaa gtctaacccc	1920
aaccctaacc ctaaccctag ctctaagcct aacccaacc ctaaccctaa ccctagctct	1980
aagtctaacc ccaaccctaa ccctaaccct agtctaagc ctaaccccaa ccctaaccct	2040
aaccctagct ctaagtctaa cccaaccct aaccctaacc ctagtcttaa gtttcacccc	2100
aaccctaacc ctaaccctag ctctaagttt cacccaacc ctaaccctaa ccctagctct	2160
aagcctaacc ccaaccctaa ccctaaccct agtctaagt ttcaccccaa ccctaaccct	2220
aaccctagct ctaagcctaa cccaaccct aaccctaacc ctagtcttaa gcctaacccc	2280
aaccctaacc ctaaccctag ctctaagcct aacccaacc ctaaccctaa ccctagctct	2340
aagcctaacc ccaaccctaa ccctaaccct agtctaagc ctaaccccaa ccctaaccct	2400
agtctaagt ttcaccccaa ccctaaccct aaccctagct ctaagcctaa cccaaccct	2460

aaccctaacc ctagctctaa gcctaacccc aaccctaacc ctaaccctag ctctaaacct	2520
aaccccgacc ctaaccctaa ccctaaccct agctctaagt ctaaccccaa ccctaaccct	2580
aaccctagct ctaagcctaa ccccaaccct aaccctaacc ctagctctaa gcctaacccc	2640
aaccctaacc ctaaccctag ctctaagtct aaccccaacc ctaaccctaa ccctagctct	2700
aagtctaacc ccaaccctaa ccctaaccct agctctaagc ctaaccccaa ccctaaccct	2760
aaccctagct ctaagcctaa ccccaaccct aaccctaacc ctagctctaa gtctaacccc	2820
aaccctaacc ctaaccctag ctctaagcct aaccccaacc ctaaccctaa ccctagctct	2880
aagcctaacc ccaaccctaa ccctaaccct agctctaagc ctaaccccaa ccctaaccct	2940
aaccctagct ctaagtctaa ccccaaccct aaccctaacc ctagctctaa gtctaacccc	3000
aaccctaacc ctaaccctag ctctaagtct aaccccaacc ctaaccctaa ccctagctct	3060
aagcctaacc ccaaccctaa ccctaaccct agctctaagc ctaaccccag ccctaaccct	3120
aaccctagct ctaagtctaa ccccaaccct aaccctaacc ctagctctaa gtttcacccc	3180
aaccctaacc ctaaccctag ctctaagcct aaccccaacc ctaaccctaa ccctagctct	3240
aagtctaacc ccaaccctaa ccctaaccct agctctaagc ctaaccccaa ccctaaccct	3300
aaccctagct ctaagcctaa ccccaaccct aaccctaacc ctagctctaa gcctaacccc	3360
aaccctaacc ctaaccctag ctctaagcct aaccccaacc ctaaccctaa ccctagctct	3420
aagtttcacc ccaaccctaa ccctaaccct agctctaagc ctaaccccaa ccctaaccct	3480
aaccctagct ctaagtttaa ccccaaccct aaccctaacc ctagctctaa gtttcacccc	3540
aaccctaacc ctaaccctag ctctaagcct aaccccaacc ctaaccctaa ccctagctct	3600
aagtttaacc ccaaccctaa ccctaaccct agctctaaac ctaaccccag ccctaaccct	3660
aaccctaacc ctagctctaa gtctaacccc aaccctaacc ctaaccctag ctctaagcct	3720
aaccccaacc ctaaccctaa ccctagctct aagtctaacc ccaaccctaa ccctaaccct	3780
agctctaagc ctaaccccaa ccctaaccct aaccctagct ctaagcctaa ccccgacct	3840
aaccctaacc ctagctctaa gcctaacccc aaccctaacc ctaaccctag ctctaagttt	3900
caccccaacc ctaaccctaa ccctagctct aagtctaacc caaaccctaa ccctaaccct	3960

agctctaagt ttcaccccaa ccccaaccct aaccctagct ctaagtctaa cccaaaccct	4020
aaccctaacc ctagctctaa gtctaaccct aaccctaacc ctagctctca gtctaaccct	4080
agccctaacc ctaaccctag ctctcactgt caccctaaca ctagctccag gtcactgtgt	4140
ctagatccta tccatatctg ccctgactcc tggttccata ccgctccgag ccccaacctc	4200
cgtcccgccc tctctctgtt ctccatgccc tgcctttctca acccttcttc ttccacgccc	4260
acattgcctc tgcactccgc gtctcttgg ctgtgcgccc tgcctttccg tgacctactg	4320
ggagcgccgc caaatctgtt ttgccccgcc cctgcgcgcg cggaactgt cggcgccgcg	4380
ctgtgctag cccgccttc agagctccct cctcctgtt gctcctcac ccttgccact	4440
cacccttcca tctcttctat cacagactct gtgttacacc acctatgact gctgcaacca	4500
cagaacattt tgctctccgc ggggcaactca atcgttactg gtggctgctt ctgggacgac	4560
acaagctcag ttggtatgc aactacgtca cagctcatcg ccaacagtta ctgccgtgc	4620
cgtggccccga acaggaattt ctccaacttg acccgcccc ctactccaat ctccgcaacc	4680
gtgtcgtca ccatctccat cgcggctggc cagcggcaca caacacatgt aagctaccgt	4740
acatctcttt cacaaccca aggtcacat agagacaagc acaagctcgc gcaatgacat	4800
taaaacctcc catcattgtc ctttctgtc gtttgcga taacgtcttt gctctatgc	4860
aggtttcgac cccgctcctt acttcccaa tgctaaagtc aagctgcttc cgtcggctc	4920
catcaccctt accagatcat tctccagtga cgagcctcat cctattggtg atgatgtgca	4980
tcacagtcat gaccggggtg actaccatac tgttatctgc agctggctca caggaaacctc	5040
cccgatccta gtgctgcttc aaggaccgga cggcagcatc tattgccacg acgtgtaccg	5100
cggccgattg tatctcgtgg ccactctgt atcgttgttc gccaggctag gccttcgcca	5160
ctgcgaacct ttatatgagg caccagatg gaagcacgtt cctctgcca gcatgtgggt	5220
ggcgagcccg ccagcgtccg ccacctcac gcaaactc gccgtgagtg ccacgcacgg	5280
tctggacgcg ttatactgc tgctaaaaat ccacagagga actccgtgtt cgctaatcca	5340
ccccgtgaac ggctacgtcc tggacatgat actgacgggc cgctcattcc aagaagcacc	5400
ctgcaaaaac actcgcacgt ccgttaaac aagccacat gtaatggacg cagtctgcgg	5460

tggccgcggg tcatggctgt ccatcggcta cctagtaaag atgccgcaca ttcacctggc	5520
ggtgacccga acatgtcttg tcaccgccat agatgtccga caaaactttc tctggcgcgt	5580
ggcggacgac gcgctgctat tcctggtcac cggtagtctt ttactactgt cgcggccgac	5640
cgcagacttg acgtcttggt catgtttaca gcaagaacct gtgtggagga actgtctaga	5700
tacgcgcgga gaacaggatg agacagaaga ccaagagatg aaacaaagca caagcaaaaa	5760
gcaaaatgag aataaaaaaac tcaacacctc aaaaaaacac acccgcgat cgtcggcaat	5820
tccgaccttt cccctgagtc tccgagaaac gccgccagaa gccaggagcc cagccgtcct	5880
cgcgcgcgcc acccagtctc acaaaactcg agcgatctcg acgcataatg ccacgacaac	5940
aataagaata ccgcgccttc ccagttacct gctggaagcg cgtctgttgt ccgtgacagc	6000
tatcctgaaa gacacaaaaga aaaaaaaaaac ccagcctcag gcgtagcagc tgcgacgctc	6060
agcgcggtgt ctgaaagctc gccaaaggtct cgcgtaaaag aacagatgtg aacttcagat	6120
gtaccaacca aataatacgg gttccgctat aaaaagtga cctctattcc cgttcttattc	6180
cccgttctaa ctcttccttg tatcatacct tgcatgttaa ccggatcccg tggatcttac	6240
acacatacac acacacacaa acttggtgag gtaaacacag aaatctcact aactcataat	6300
cccctacacg cttaccacca cctaaaaatg gttatgacca aaactggcaa tagtctatct	6360
tctttttctt tccattcaca gccaatgtgc agtactcgtg ggtccacaac aacgaaagag	6420
actgtagaga cacttccttt aagtagacct tagagacaca ccaaatacaa ccacaaccaa	6480
aaaaaaaaaca gaaaacaaca caaagccaat gagtgcagaa atgctccgcg ctgttcagct	6540
ccagccaaga cgccggggac attcctcacc tcccacttcc cctccactcg aaggagagcc	6600
cagtcccaag agactccaat cgagcaacag tcaccaaggg cgtagaggca gacctaaacc	6660
cagagctaaa acatggagcg aagctttatc ccaccggtcc ttcctcaaca tttacgcgtg	6720
gctgtctttg agtcgagggg ctccgcgaaa agtgtacgga tatgccttca ggcacagagg	6780
agaactcgta gcattgccat ggccgcctaa ctggagcctg gaacttcacc acgatcccta	6840
tcgagacgcc agagcacaaa ccgtttgag tcaccgctgg ggatggcctg caacacacgt	6900
gacagctcgc acgggtgcggg actgcggtga gtgtaagcag tgtgacacat tgttatcgca	6960

attgtcttac ccgattaact ttttattaat gtattaagca ctctttcttc acgtgtgact	7020
gttgtgtttt ttgtttgttat ctacatcccg gcagccctcg acacgcatat gtacgtgtgc	7080
tgcggacgcg gagaaaagtt gcagcccgtc ggatacgtac gcaacagagc cgcgccttca	7140
gacctgaact cgttacgcgt cctcctcata gccagggacg gagcaatgta tgtgcatcac	7200
atgagaacgg cgcgactgtg cgcctagcc agcagtgtga ccgaattcgc gcgacgaggg	7260
ctgcagcgag aatccgaggt ttatgaagat gatgtttcct tgccagaccg tcgagtaggt	7320
tcggcaacgg ccattcacct gtttgacgta attaccagg cagccgatgt ccacgaccta	7380
ctcacctgg ccggactgtg tcagactcac accggcgctca gctgccaaact gtggtataca	7440
gaccacgatc cccacaccgt cgctggggcg gcacgcttca cactgacggt cgcacggcag	7500
cagtatcgat tgtggccaaa cgcacgacgc aaactgctgc agcacctaca tccggaccac	7560
ccacttgggc tgtggctgtt gtgtgccgtg ctacgtacg atgcaaaaga gacgaatcgc	7620
gcagtgccac ccgtaacgcc aggggccgaa accgtgtggg tgatagttac tggcaggggt	7680
gccattctag gattctggcc agagagcgcc aaaatgtgca gattggcctc gtctatgaaa	7740
ggactctgga aaaacggagc gcgggcgcta aaaggctact ggacatacgc agcaccggc	7800
cggcatagag cgggagaggc ctggcctttg tgtgcacact accaatctcc tagatagaac	7860
aaaattaaaa agattaaaaa aaaaaagaaa aaaagtacaa gagtgtttatc gcgaaacagc	7920
gtgtcaaaaa aaaaaacaat ccacatactc tagaacaac tgtacccaaa aataagtccg	7980
tgtgcaaaac tgggaaaaaa aaaatcacct tctcgtttgc cactagaggg agtaccgaaa	8040
gtgtaggcaa gaaggccacg ctgtaaatga ctgtcagcgt ttggcgctga aaacattgct	8100
gttcttgctg gctcaagcac aatcacgtga ttaagattcc tttcgttttc aaagtgtgcc	8160
cgggaggcag acatgccctt tctcgtgaga cattatgaga tttgcctgcc agagaaccac	8220
gtgacttgga cttactttcg ttttctaaac gtgccctcta ggcatgaatg ctcttttagcg	8280
ttagccatga ggctagcgtg atcctgtata gtacataagt ttctaagaat atgtttttaa	8340
caataatcat gtcccaaaaa gtcgcgagtg actaaaattc tctgtaaatt aaggcaaatt	8400
aaacaggata cagacagttg tggcagtggt ccgtttcgtc tttctgtgtt ttccttacgc	8460

ggctgacgag gtaaagtgtc tcagtccata ttgttgtctg tgccaccgta gttagcgggtg	8520
gcatactaaa aactccgata gatgcagaac aataacaccg aaaaccacgc tgtggaacca	8580
gaccacactt tataaacaaa acggccttat cacctggaaa aaaaaactaa aaataaggca	8640
atgatacacc tgactttcca ttggaaacct gccgtaacct tgaccacaaa tcccatgcta	8700
aatccccctga aacactgcc aacgtcgccta caagggtttt ccgggatcga gccgcagcaa	8760
gcttaaaactg aggtcacaca cgactttaat tacggcaacg cacagctgta agctgcagga	8820
aagatactat cgtaagcaaa ttagtccta caatcaagcg aggttgtaga cgttacctac	8880
aatgaactac acctctaagc ataacctgtc gggcacagt agacacgcag ccgtaaattc	8940
aaaactcaac ccaaaccgaa gtctaagtct caccctaatt gtaacagtaa ccctacaact	9000
ctaattcctag tccgtaaccg taaccccaat cctagccctt agccctaacc ctagccctaa	9060
ccctagctct aaccttagct ctaactctga ccctaggcct aaccctaagc ctaaccctaa	9120
ccgtagctct aagtttaacc ctaaccctaa ccctaaccat gaccctgacc ctaaccctag	9180
ggctgcggcc ctaaccctag ccctaaccct aatcctaatt ctaattcctag ccctaaccct	9240
agggtgcgg ccctaaccct agccctaacc ctaaccctag ccctagggtc gcggccctaa	9300
acctaaccct aaccctagag ctgcggccct aaccctaacc ctagggctgc ggccctaacc	9360
ctaaccctag ggctgcggcc cgaaccctag ccctaaccct aaccctagcc ctagggctgc	9420
ggcccgaacc ctagccctaa ccctaaccct agccctagggt ctgcggccct aaccctaacc	9480
ctagccctag ggctgcggcc ctaaacctaa ccctagccct agggctgcgg ccctaaccct	9540
aaccctagggt ctgcggccct aaccctaacc ctagggctgc ggccctaacc ctaaccctag	9600
ggctgcggcc cgaaccctaa ccctaaccct aaccctaacc ctaaccctaa ccctaaccct	9660
agggtgcgg ccctaaccct aaccctagggt ctgcggcccg aaccctaacc ctaaccctaa	9720
ccctagggtc gcggccctaa ccctaaccct agggctgcgg ccctaaccct aaccctaact	9780
ctagggtgc ggccctaacc ctaaccctaa ccctaaccct agggctgcgg cccgaaccct	9840
agccctaacc ctaaccctga ccctgacct aaccctaacc ctaaccctaa ccctaaccct	9900
aaccctaacc ctaaccctaa ccctaaccct aaccctaacc ctaaccctaa cccgcccc	9960

actggcagcc aatgtcttgt aatgccttca aggcactttt tctgcgagcc gcgcgcagca 10020  
 ctcagtga aaacaagtttg tgcacgagaa agacgtgcc aaaccgcagc tgcagcatga 10080  
 aggctgagtg cacaattttg gctttagtcc cataaaggcg cggcttcccg tagagtagaa 10140  
 aactgcagcg cggcgcacag agcgaaggca gcggctttca gactgtttgc caagcgcagt 10200  
 ctgcatttta ccaatgatga tcgcaagcaa gaaaaatgtt ctttcttagc atatgcgtgg 10260  
 ttaatcctgt tgtggtcac actaagtttt caagcttttg gcaaggcatg aaaaataaca 10320  
 ttactattgg actgtttata cttatcttca aatgttcaact cacagcagcg aaggggacac 10380  
 tagaaaacac tcccaactag aactacgagg cggaacagca atggaaaccc agacgtgttt 10440  
 ttacttttat tttctgaaat catttaatag catacaagta cggcctctcc gaatcgaagc 10500  
 taatctgaga gcaaagacaa agagcactgt aaaactgaag gcaaaaaaac cccccgctta 10560  
 aaaaagaatt tcataattcc gcagctcttc cgaagcccc cgaaaacaac acagatcgct 10620  
 aagggtgtct ggactgagct cagtatcccc gtaagcctcc aaagcagatg gacataaact 10680  
 atattctcgt ggtaattgaa ctaccggaac gtggatgcaa gtgacgggta actgcatggc 10740  
 ccaagcgttt ctatcaggaa agcgatagtt tttaaagagt ctctggcgcc ccatggccaa 10800  
 aaaaacccta aaactacaag ccaagttaac gacggctcct ccgcgaacat ccagagcgta 10860  
 gacagcacc aagcgatcca taagaacccg ttgctttcga agaagaccac gaccgaggca 10920  
 tcttccgaca aactttccga taaccacggc aacgccacgc ctaggaatga acctccaccg 10980  
 ctctccatgg tcttccggga cggaaaattc gaacagcagc cttttaggcc acggaagagg 11040  
 cacaagagcc ttgtcgaaag caacagcgaa attcaaaaca tcttccacc cgcacatagg 11100  
 gccgaagaaa aaaccccccg aaacgatgga ctcgaaaaaa gcgtacacag ggtcaaattc 11160  
 gcgcagacca cgcttcaga gaccataagg ggtgtccgca actctgtaaa tggcgttgtc 11220  
 cacggaacgg ttaaatgcat aaaattcacc ccgatctcca ataagcatca aagcagataa 11280  
 atcagaatag agcaccagac cgatgacca aacttcaca aaaggacagc agacaaaatt 11340  
 tctggttaac ttgcagactt cgtcttccga aatgccaaagc atctccgaag aggcaaacct 11400  
 caactcagcg ccggaaggcc acacgagagg aagtcgatgg tgagcatatt gcaaaacaaa 11460

atgagcaacg tctccgaaag atacggtttc cgcagcgaag ctctgcaaaa acgtggtcca 11520  
gtagacctcc ggaacagggtg attcaactgt attcgattcc agattaaaca aaccgttcga 11580  
tgcattcgac tcaacagccg tttccacacc ggaatccaaa agcggagaat ctgacatact 11640  
agcaacatgc aaatgatcag agaaaaaaaa acaagtgaaa tgcacagaga caaatacaat 11700  
caaaactcata ctctaaagca cgaacgctgt ttattaatta ccatgtcaat ttcaaaaccc 11760  
accagcaaac aaggcaataa agggagagag tcacaaactt agcaacgaaa aatctggggtt 11820  
ccaacatcag gaaacgctgc ccgctcatct gctcttgag ccaagaagag aaggtcgcag 11880  
tcgccctgtc tggcagtttt cagataaaag cgcgacgaaa aatgacacaa tggtttctgg 11940  
caccatttgg gctgagccgc gtaaaaagtg tgatgtttat agaagttacg cacaccgaca 12000  
aacctaaaaa cctgaaaact ctctgcatg aaagtcaagt tcccgtcggg atcgttatca 12060  
ttaaacccat aaatttttcc cgagcagtca gcgtaaaggg aaattctagc tccgtctgaa 12120  
aaacatttca gtccgaagct cgcaaagaaa cacatatcag ctaaaacact ttttatctcc 12180  
gggtcagaaa caaaatgaaa actgtctttc ctgtgatgaa acaggatatt ctctctcgcc 12240  
ggccatcgca actcaaattt ttcaccaaga tgccgtgtcc gaaatgccaa aatttcagcg 12300  
catgttgga tagcttcaat ctctggatct gatactcaa attgcagaca cttacacaaa 12360  
acgtatgcgt acagacatct tttgagacct ttctcaaaa aactgtcaat agtgtcacc 12420  
acgcgacata gttgatcagg aaataacgtt gtatgtgcat aaacgcggcc aactttccca 12480  
agtaagataa ccacatcatc agtctcatac tcaagttcgt aaacagtcgt cacagtatgt 12540  
tttatgtaac caagaacagt aagttcttca ggacaacaca ccaacgcggc gtactttttg 12600  
agcttatctt cctcatatcc ctccacacca taagtcaaaa caagttcaaa cccctctgga 12660  
aaaaccaaag gcacctcaa atgcggattc agaaacaaaa acatttttag actattaaaa 12720  
tttgataaaa cagtagaaa atccacgagt ttagccttag cagattcaaa gattttctct 12780  
tttctttttt tatcagataa aaacgttttc tcaacgttgg caaccttcaa atcctttttc 12840  
ccgtcaacat gagcaacata ttttcgtata aacgaatfff ctttttttaa atcttttgcc 12900  
acaactctca aaacacgctc ttcaaaattg aagtcagacc ccaaactctgc catacttaaa 12960

tcgtacctag cgtattaata atctttgtgc accggtttcg caaaaggga gaaagccaac 13020  
 cgcggaatgc gacgcgactg gcgaatggta aatccgcggt gctgagactc tttaaaaagc 13080  
 cttttcctca ccgaaactct cctttgtcgc atcctgtgtt caaagatcct aacctcaaaa 13140  
 gaacctccac ccctaaccgc atgcggcact acgtttggaa acaaaccact ccaaagatgc 13200  
 gtcccatata aattgcaatc ttgacaccga aaaaaacgca ctggattgtc catgtagtgc 13260  
 agctttaaag gattcgtaaa tccttccaaa atatcgtgcc ttaactcccg agctaagtgt 13320  
 aaaagaaagc acgaacaagt taaagctacc ttcttttgac acaagtgtc taggagagct 13380  
 ctactctat gattctgttt actgtaggaa gctactagaa tagaagccac ttcaagaaaa 13440  
 gcggaacagt gccgaggaat ggacatcaca ttgtgactgc taaagtgact acctaaaact 13500  
 gctaacttcc taaaaacgtt ttcaactcct tcaaaaggta gtatccttat ttctaaaaag 13560  
 actaaagact gcgcgaaaaa acgcgctatt ttgtccaaat cagagagat gcgttctctt 13620  
 actctgcgcg ccaggaaaag acataaaatg atattacaat aaatctttta aatgtttctt 13680  
 tctagatgac tattccctaa aatttcatca tgtagaattg gcaatgtttt cgattccatt 13740  
 gctttcagta ttaactccgc gccgagatct ttgtcaatac tctctctaac gcgtaaagct 13800  
 tcatcattag ttaaatgtaa ttgctggaga atcaagtcct gtggactaaa gtctgtata 13860  
 tcggacaaat gtaggacgcc cttttctctc cgcttcaaaa aacgagaaaa tagcgccttg 13920  
 cgacattccc cgcaactaca aagattagat acaacaaagt gataattcat cacgaatgaa 13980  
 aaaaaaattt tgctgtctaa gaaatTTTTT aataggagat tggaaggcgc tacgacttca 14040  
 ccagctattt ctttcggatt tggaagtaac tcaacaaaac tcaacaatat atttgaatca 14100  
 cagcgatttc taagcataaa aaattgtaaa aacaatgaat ctaagagctc cattaaacga 14160  
 ttaaagtgag acgaaagagt gtcgcgcttt tctccagcta caaatattc cgctattgta 14220  
 aatgagcca aagctgtagc tttagtcaga actcgataaa acggagaagt gcactcttca 14280  
 aaccttagac tttgaagaaa cgcgagaaaa ccgtctaaag tcattgttgc cttgtccctc 14340  
 cttttaaatg aaacggagtt tttctccact aaaacagccc atagtagact gtcacgttaa 14400  
 aattttaagc ctcgagtttg gaacaaatct tctgaagtga gatgaccgct atccgcaatc 14460

atctcctctg tcagctcatt caagttgacg tctaactcgc atgagttaaa tgccgtccat 14520  
 gacagataag gatgattcgg tataacatac gtaatgcgat tccttagcgg ccctttacaa 14580  
 acatcataat cgattaaatc cattacgcaa atccttgtca aaaatgttta ttcatttcca 14640  
 tcactagcat cgactccaac acaggctaac gtttctacat tggcaaagta acacaagtca 14700  
 ttctgaatct tgtcaagacc ccccagctta taccctacag ctcttacatc tttttctgga 14760  
 ctggctctgga aatttccatt cccaaaattt ccaaaatatt tgagaccact gaaaaaaagt 14820  
 gccattgctc cattaatgtt ttttgtgtta cttaaattt cagcttcgat gttcacgac 14880  
 gatctctcca gcacatctat gaagctcttt tccttagcat tcactatgaa gaaacctggt 14940  
 gctagattat ttgcagcaac caagtccgtg tgcttcgcag gctgcctttg gatgtaaaga 15000  
 tgatgcaa ataaaagctttc catgaagttt gtttcatcat agtttttgta atacggaatt 15060  
 tcaaagctca tctttatcac ttctaagcag ttgaaaataa agtttgagga tgtgccaggg 15120  
 tttctgacaa tatctttaac ctgcttcaac atattgaaat aaacgatatt gttcatacaa 15180  
 cccttactgc ccagtttcat ttcacattcc atgctagact ccaagttctt taattcatct 15240  
 aagtacacat cataatacat tttcagttca gtaaacaaaa cactgttaag agtttgaatt 15300  
 atgaaaagca aaaacacaat gttactaaga atattcaaca gatttctttt gtctgaccc 15360  
 atatccacag taaccgagat aggaaacctg gaatgttcaa tctgcccctc aataaaactt 15420  
 aaacacaaat ctttggttac aaacatagaa agattagaat atttctcaga taaatgtgga 15480  
 aaaataggta aatcgatctt acccaaagct ggaaagaaat gtaatttgac agagccagga 15540  
 ttctttttca ttgtgcctac attttttaac ctgaaaaaat tgtatcgaca ttcttcgcaa 15600  
 ccacaaaata gtaaaaagtg ctcaagtaag tacaactgaa aacgatcaaa aaaatcgct 15660  
 ctgaagaatg attctgtttt gttttgcatt tctgtcttaa aagattcgct ccaaaatgca 15720  
 cagctaaagc ccctaactt ctgcttagat tctttactca attccttcaa ttttccatct 15780  
 agtttaaaaa ataacataga aaggtactca cataggtagc gacaccagta tccaattcca 15840  
 ggcttagcac ccaaattaaa caatgatgcc ccagaataga accctacagc tgcaagttta 15900  
 gtaatgcact gccatttggg gtcaaaatct tccataaatt ttaaatacgcg caactgcaaa 15960

agaaatttat cagcccttgt gaaagttgat ggatacttga acatttcgta ctcatagtct 16020  
 atcaacctat tccaaataac accatctgaa cataatctta gcccttttat tccaaagcgt 16080  
 ccagcagctg atgcttgaag gccgttgatt agtctggatt ctgtcaccgg aacaatgtac 16140  
 ttcagttccg tgtctccgtt tggaatgatg attggatgta gaaactttgt aacactttga 16200  
 acaagaggat tactgatttc agatgagtgc actgcaaaca gaatacttgg catgttcttc 16260  
 aataatctga aaaagaacat ccatggaacc atcagtaaga gtattgtgta gagaataccg 16320  
 aaaagaagaa ctttgatctt tacataccta tcacacctg gatacatatg ccgtgggttc 16380  
 ttccgaagaa tcggagactc tccatttaac attctgttca aattttccgc ctcactttca 16440  
 ctcacataaa tcaaactgtc atcatgccag ttcagggcat atctttcttt gtataagagt 16500  
 tcttcaaacc ctgcctgat aaattctcta atagacctg caactttgtt gatcttgta 16560  
 tcacaataca cataaatgtg aaaattggga cctagtagga tgacagctct acaatttggc 16620  
 tctacctgac atctcgcgca agttcctatg acaacatact ttcttcttag tattttttcg 16680  
 agaataccag aacctgtgat gtaatggatg tcattcgaag aacagaaaga caaatcaaaa 16740  
 ttttgaaaag catcgatacg aattttttga ccacattggc gattgacaaa attctttaag 16800  
 gctggaatat tttttgtaa gagtacgaac tcctcaccgc tgcatttgggt ttctccgtac 16860  
 cacagtctgt ctagtcaat atctaattca atccttgcaa aagtgaggaa atttctcagc 16920  
 ccgatactgc aaaaatgtgc aggagattcc gctatgatgt acaattcatc tgtgaccgta 16980  
 tctaatagcaa gcatcttatt tgatgagcag tacatcaca atggatcaaa gtccgggtcc 17040  
 ggttctcggt aatttggatg tgcataacca acagcgcaaa gaaattcgtc tgctcctacc 17100  
 aaattactcc aatcataagt gatgacacta cgtctacatt tgaaatgata aaattcgcca 17160  
 aaaataagca catagtttgg cggccaagca agacagcact ttataccatt gcgaactatc 17220  
 tccatgcctt ctccatatga agacagcagc aactcaacgg caaaatcaaa agacggtaaa 17280  
 tccggagtcg gttcaatgca aacatcattg cacacaggaa caatttctgc aaaattaact 17340  
 tgtgattagt acttccgtca ctttcagaaa aattaaaaac cataaaaagt actgttactt 17400  
 acttagatac caggagtact gttgaaccgg tgcacttcca agagttgata atcttccaaa 17460

tctggcagtg acttttccaa ttttatcata accaaaatct ccacaatatc tcgcgaagcc	17520
gaccccttgca aaagtcagta aacaatcagc aatccgcgtc aacactttat caatccaatc	17580
ataataataa attgctcctg tttctccaat gcatagaatt ggtctcaaac catagtcttc	17640
ggctgaaata tttaaaaaac ctaaaacaac tactttttca aacagtcgct cttgttcttc	17700
aaatcttttt tggtctgagg tgccacagtg tatgtttttc ctgtcttgca ggattaacgc	17760
tgtaaagatt ggagtttcca aacgaagttt taaaccagtg tttatagaaa cgaagtgttc	17820
aatctctgct aacgttttac accttgccaa ttcactaat tcggagagca ttgaaatata	17880
atttctcttc aaagctttta gtgccaaagc tgttttcctg ttaaatctta gactagaatt	17940
caaattaagt ggttcctgta ataatcctaa gtctttaaga gtctccaatt tttcaaactt	18000
tggaccatca taataaaaagc gagtataaac aggttctgag caagtgatta catttgtacc	18060
tagaatacca aatctaacaa atttgtcaaa gtcttcagct atgtaataca aaacatcatc	18120
ctccaaatcg tgacaaaaaa ttcgactcga ttttcccaca aaaattggca cgtctttcct	18180
tccaatttga atcgctccaa tcaagcacia attttcctta aatccttggt aatggtcatt	18240
cagttctgcc aattgttggt ctgagtaacc agcaacgtca actggctgtg caagccttaa	18300
ccacaaattc tttggccaaa tcaaagacia gcattcattt cgatgtcggt cagtaagaag	18360
gcgaattcca gggaaatcag taaaacgaca taaattcttc aattccctta acaatccatc	18420
atttagttgt ccaacacaag gcaaagtttt atattgttct gccatcgtct caaaattttt	18480
cattgaagtg aatgtggtaa gaagtttgta ttctcatcca tttctcaaaa actcaaccag	18540
ataaatataa gagaaaaaaa tcacatgaca ggaaataaat tttaaagctt tgcagatttt	18600
ttatttccca ttacaggaaa cattagagtg attaaaacca taagcctggt gttatcggt	18660
taaaaacctc ttgtcgaaag taggaatcgg atttttacct tttttaaaga tcgattttta	18720
gaacattcac ggtaacaata caaaactaac agtgtcatta atattacaaa ctcagaatct	18780
gccactgaaa ggaaaatccc ttttcgcct aagtaactac acttaaaaaat ggctatagca	18840
gaaagcggag cgttcgaaat aaatgtcaat cttggaaaat ccatcgcttc catacaaaaa	18900
aatcctataa tctacatgcg tagacatctc tctttttatg tggagttatt aaaatttatc	18960

attcatcaat atgagcaatg ttttttacca cegaaaggaa cgatacttta ccacaatggc 19020  
 ttaatcgaac taaatacttt aattatcgat ctgaatcaac aaattacatc gaaacagcag 19080  
 atctatagtt ggacgagcat tactttgcc aaaaatatttt cgactaaaga attatatttt 19140  
 attgtcgcgt caccagaatc ggaaaacata actctcaatc cagctgttac taaaggagga 19200  
 tggttatctg ggagtttttag ctttccattg agtttaagtt gtgcatacgc cctcactggc 19260  
 gtatcttcaa caatctatat gttaccattt attccatata aattcccaat gacttacgta 19320  
 gacttttcga cacttcgaac atacgaggta acaagtgaat atggatcaat ccaaattata 19380  
 aaacagcggg attttttatt tttgggaatt atacgggatc tgtcatggaa aagtcagagg 19440  
 gataacaaga attttatcct gaaagcaatg ttcgttgga actgggttagg gatacaaatt 19500  
 ccagaagctt ttgcattgag actttttaat aacacacggt tttctattca ggattttgaa 19560  
 tttccatta acatacaaaa tataaacctt actagggaca ataaaatttt gggttctctt 19620  
 tccacggttt cttgtgatca gatgccacca aacttgtctc cagagaatct cccaaactat 19680  
 ctagttattc agttcgaatt ggtttcaact ctgcgaaatc ctgatcatct actgttttct 19740  
 tgcaatccca aattgttttt cacaggagat attctgaaca gcgctataaa tttacaacat 19800  
 agtcctaate attatgagct tacagtgtac gcaccacata atttacattt ctatcccagc 19860  
 tgttttcata tagtaacatt accaattcag ttttcatcca gaaatgatag acagatgttg 19920  
 gtgtcaagct atcctaataga aggctacttt gaagtacaaa tgtgcccattg ggtacagaat 19980  
 tctctcttc aaattgttat taaatctttt tcaaaaaatc tagtgctacc gcaaggcacc 20040  
 cctattgcaa ttctcttata tatggaaaaa atgacaacag gaaaaaatc tttacgggat 20100  
 caagaattaa aaattaataa agacattacc cgaataggaa acgtaaacct tccaaaagaa 20160  
 aatttcttac attataatag ctaatcttta ttcaactgtg ttttagacga cgtcttcttc 20220  
 tgagtgtgtt aaatgcgata ctagtttatt aactatatca tcattctttt gaacagaatt 20280  
 ttcaagatcg attaaatctt tatcgccatc ttcttgagcc ttgctagcac cgaaaatgg 20340  
 attttgcgtc tctttgcctg ttaaaagtga acctgaatca aaatcctgga tttcagcatt 20400  
 tggtaaaaaa aatggagacc gcacaggctg catcttttca gtgaagctaa aattttgaaa 20460

taaaggatct ctccttctgg agttcagtaa attcttcagg ttgttgtcat tgaaagtcgc	20520
aatgttagaa acatctgttt ttttcggggg ttcgagtacg tcttttaagc ttcgctcttc	20580
taaactaatt gtatccgtaa aatccgttaa taatttctta actttttcac ctagtcctga	20640
ttcaaaaagt tctttttgaa gaagatcggt ccttctacta agatccagta atgaagaact	20700
cggagtcac ttcacatctt tgactaattg atttttttta gctgaagaag cactctcttt	20760
ttccttcatt gaagcggtta cgtcattagt acctatcata tttaaagtct tgggtggaaga	20820
atttgcttta tttccatfff tttgcttaat gcttttttga tcttgtggag gcaatgacat	20880
ttcattatgc tcgtcatcaa aactttgtaa gttctcgtgg acaatttctt ttctgcgttt	20940
ttctgaagga agtttaaaaa tgtcttcatt attttgttta attgttttga ttcgttctcg	21000
tagctccaaa attttctgca agtcattggt cgagttttta gacagttgat cgcgtgattg	21060
cactccgttt tgtctgttta cttcgttttc tggcagaaaa aaggtagagt gataatcaat	21120
tttatttttg ggtagctgaa ctacgttaac ttttggtgag ctaacaatgt ctattacttt	21180
gtttgagttg tgtagatcta gtttgcctaa ggtatctata acttggttaa taccgtctgg	21240
tgccacagca atttcattga attggtttac tttgtcctct ggtctgtgca tagtttgatc	21300
agttaaateca agtatttcag tctgtagtat tctgtgcatt tttttagaat tgtttataga	21360
cgtggaattt cttggctcgt ccaatatcat ggaatccttt ttaccgagg ataacaaccc	21420
atcttcagag cctacaaata aatctttgga tagcgtgttg ttactccgtt gttcagtttt	21480
tataaatggt tctggattaa atgatgaacc atacgaagtt tttttagaac tactctcaaa	21540
ttgattgctt aaagacgatt tcgacaaatc tgttaaaact ttgaatgtct gaatcggttc	21600
aggagtaaatt ttacacgat catcccatgt actctttacg ggaagagcat gtaactcaag	21660
actttttgtt ataacatcaa agtcttcggt taaaatttta aaaaaagaag ttactctatg	21720
actagttaat ggcaaactta aaatttgata agaatatatc gaaacaaaat tttgtttgtt	21780
ttcaatcgcc tttaaaattg cttttttctt ttcattaatg gtatttaatg cgagtttctc	21840
catgttcac caggatccat gtaatgtaat taataaatc ccaagataaa gcaatcgatt	21900
gatgttagta acatagtagc ctttttcatt ccacggatca actatttggt aaattgtgaa	21960

agaaagcata ttgttttttg ccttttgtaa attctcgcca atttccgctc tttcttctgt 22020  
 ggtaagattg acgtaatcgg ctgcgtgtgt cacagtcccc caacgaagaa aactgcccag 22080  
 ttttaagcaaa tcttttgcta cgtttttaaa ttctgtttca aagccaactt tgttaaaaga 22140  
 tgttaaacta gaataatcag taatcatctg tctttgctct aagtaatctt tcagaatttt 22200  
 ttgcaccttt agtattttctt gccaaacttc ctcatagtct ggtttctttt tacacaaggt 22260  
 ttgatgaaaa taaatccaaa gaatcaaatt gttgtaaagt gtttttacat tgттаатgga 22320  
 atttccagtt ttaacgatac attgactcaa aatccatgga ttttcgcgaa tatcaacaac 22380  
 tggtaaagac gatatgtttt caaaaaatcg agataaaaaa cactttgctt catccgaaat 22440  
 ccaagcaaag ggtaaattgt acattttcat gactcgtttt ttctgttgag cattattgaa 22500  
 cacttcttaa aaaattagtt taatagtctc tattttctct ttgattagat acatgcgctg 22560  
 ccgacatgga cactctaatt gatttccaaa aaatcctggt atgataatct aatgttatga 22620  
 tttgctacag ctttgctaaa aatgttacct ttgcattttt aatcatcttg caaaactttt 22680  
 tttcacagca tgatgaagag tacaagtaca attatacgtg tattacgcca acagtacgga 22740  
 aagcccaaaag acttgaaagc gtaattaacg gaattatgct aacgctgata cttcctgtta 22800  
 gtactgttgt catatgcact ctgctaactc actacaaatg gacaaaacag acaattactt 22860  
 ctccatatct tatcacactc tttattagtg attctttaca ttcattgact gtgttacttc 22920  
 tcacattgaa ccgagaagct ctacaaaacc ttaatcaggc tttgtgtcaa tgtgtgcttt 22980  
 ttgtatacag tgcgtcctgc acatacagtc tgtgcatgct agcagtaata tccacaatac 23040  
 gctatcgaac cctgcaaaga aggacattaa acgacaaaaa caataatcat attaaaagga 23100  
 acgttggaat tttatttctg tcttctgcca tgtgtgccat tccagcagta ttatatgttc 23160  
 aagtggaaaa gaaaaaaggc aattatggaa aatgtaatat acacatctca acgcaaaaag 23220  
 catatgactt gtttatagga attaaaattg tctattgttt tctctgggga atttttccaa 23280  
 ctgtcatttt cagctatttt tatgtgattt ttgtaagac cttgcgtgcc ttgacccaaa 23340  
 gtaaacataa caaaactctg tcattcatta gcttactgat actatccttt ttatgtattc 23400  
 aaataccaaa tctcctagta atgtctgtgg aaattttttt tttgtatata gcaaatactt 23460

cctgcttagg caccatacaa agagaaattg tgcaaataat atctagatta atgccagaaa 23520  
tacactgctt gtctaataccg ctagtatatg cattcactag aacagatttc cgattacgat 23580  
tttacgattt cattaaatgt aatttgtgta attcatcttt aaagagaaag agaaatcctc 23640  
tgacaataaa aaattgaaca gtgaagcttg cttaaaactt tgaaaatttt ttgtgatttt 23700  
aaataaaatt taaaatcaat ttatcctaag cttttcaggc tatgactttg aatcaacagc 23760  
catctaattg cagactaatt acagctaacg atccagtact tgcacgaat ttacaaatgc 23820  
agcctacttt taaaatagcc gataagaaag ttgtactcag agatcataat tacattgcag 23880  
tcaaagattt tgttctatca aggtctttca tgcattgcat tcgatgtcag gaaaaaattg 23940  
aaaagaagac atccgatagc attagagcat attccattaa gccagatttc atgttttatg 24000  
actcagacga cgaagtctgt tcgtcaccat tttataaca atatttaaag tagctgaatt 24060  
gtacgttctg aaacagtctg aacggatccg ctgaacgcag acacaatgga acagcaaaaa 24120  
ggattttcga ttccattttt tgtcactgac gaaaactgca actttgtgcc tgaaatatta 24180  
cctcgataac atactaaatt tcttaaagat gtcttaattg ccgattccta caactctgtt 24240  
agttgggcaa acagttttat tcccatgcct attcaaacgc ttgaacaaat tatggttctt 24300  
ataacaaagt tcaagttttc tcgctcgcgt gattttttat tcccagtaat tcgattagct 24360  
gttcatatca ataggttcca cacagggaag aaacagctga aaaccatgat agaaattatg 24420  
aaaagcttgt ttaacaccga agaggctatg cgacgattcg atgaagcatt gatgattcta 24480  
ttttctaatt agcaaaccaa tacttacatg acaaacatag ctttatcgat gcatgagaat 24540  
ggctttccag attcaaaatt tatgaatgct ctaaaaatga tttacagagc tggaatttct 24600  
tttgataatc aaccagacaa tgatatagaa agctacaacg agaaattaaa aatctacaac 24660  
tacctaatta aaatacctaa gtacacacta aaagctggag ttgatttata taatgaaaat 24720  
ataaaaagatc tttcgattgg aatccaaaga caacctactt tattattcac atctcgtaat 24780  
gatttttcat tgaaagctat ttataatgac gtgttatctt tagtttctgc atggaatatg 24840  
atcatcaact ataaaaaaga acaaagaaga ctcttttagtt ggataacatt tgaaataaac 24900  
tctttaatgg agaattgtgt gcttgcagcc tttcagttac cagatttaaa agaaatgaca 24960

cttgatttaa gcgctttgat tgccaacatg aatcttttaa aaccaaata gaattacagc 25020  
 ccccatTTTta aactaattat caacaaattt tttgaaatcg gaatttttgt cacgaaatca 25080  
 tatatttgta ttttgccttc ttttgtcaaa agccaactca tttcgtttga aaacgtttta 25140  
 agttcaaaca gacatgcgga agatgtgact ttcatactaa catcttccaa ggaatctgat 25200  
 gatgaatatg atgaagataa acctccacga caagtagatc cagacagagt ggacaacatt 25260  
 ttaatggaat cagatttttt taatgtgaaa ccggaaaacg ccttttcaga aatcgcatTA 25320  
 atgccaattt cacatgacaa aattatagat gtcaacaact caaacataca agttcttgaa 25380  
 actgaattgg cacatacaaa tttattttgtg tatagcgcaa tagctcaaaa atatgatttg 25440  
 cctttaaaag aatacgtaga gcgcttaaac gtctacaatc ctgatctatc atctggaaac 25500  
 tctacacccg cgcggaattc taattctatt cgtacaactc cagttctaaa tatatccaga 25560  
 ccaggaagca ctacaccctc tgggaactct gcaagatatg ggaataacac acctagaagt 25620  
 ataactccgg ttttagagat ttcaagatct agaagtgcta ccccttctgg aaattctgaa 25680  
 atctatgaga atagaacatc cccaacgttc cgtgtttcta ggagtgcaac tccaatagaa 25740  
 agaagttcga gatctgctag tataattttct ggagaatctg ttcctggttt ttttaatgac 25800  
 caagaacgtt tgagcaccaa ttcgcctatt tccataaatg gtaatactcc aagacagcaa 25860  
 agccatgggg acaatgaaat acaaactata gattccacgg atgaagactc aatgaatgcc 25920  
 ccacaatcac cccaatccat ctattcaatt tctagctatg tttcaacaga cgatcaactt 25980  
 ctacattcac cgacaaatag cccatttaat ctttttgact ctgtctcgga aatgcaagaa 26040  
 gacaccgaat aattaattgt tttttattta gctaattcat tgtatgacaa cacaagggca 26100  
 attgtttgat taatttcac gtttttttagc ttttgaataa tctcaattaa aacatctctg 26160  
 gtcagttgga gtcgttctat gtatgaaaaa aacattatcg cgttttcatg ctcatcgtct 26220  
 ccaagcctca gatgactttc ttctagaaac taaagaaaaa aaatgttaaa agatctttta 26280  
 cagaagaaca tttattattt ttaaaaatga tttttcttac cgcataaatc atgtttaaga 26340  
 aaagttgctt ttcattgctt gttgtcatca tatacaataa tgctgtgatt ttcctgaaaa 26400  
 taaaagagcg gggtttagaca ataaaatttt gaaactcgtt tgtgtagaaa taatagaggt 26460

ggactcaccg ttttacaggt atgtgtgtga attgagcgac gatataacaa tcctcagttt 26520  
 tgtggacatc tagattgaaa atctgcttga tttcttgcca tctcttaata ataaacaaag 26580  
 cttcaatcac tacagacttt gtcacagttg tggttaatgt taatccagaa aaaataaatc 26640  
 tatatgttgt attaaaaatcc atttgaaaaa gatattttat atagattgtc tccactttag 26700  
 atataatatt agataacgtc atcaatatct gtagtggaca cagctcgca aattcctgta 26760  
 gtcgttgtct tctccaggtt tccatttctc acaaagaaga gtctaccctc gtagaagaac 26820  
 actaactaaa tgaatttttt taggcgaacg cttaaaaaac tcttttactg gcacaccgcc 26880  
 tataaaaacc cccaaaggaa atttttatgt aaccacacag aaccaaaaaa agattaaccg 26940  
 ttattagaaa gtgttcgttt ttaacgattt ttattggcac attttgaccg ggttaaattt 27000  
 cgtcttcac agatgtatcc acttctctga aatcctcact taaatatata gctaataccg 27060  
 cagcgtgtgg gcaggtcgga taaatttcat gagtaattgt taaattcctt ggaaaaaatt 27120  
 tgtatgtgcg atatgttcta actatcccct gtcttaataa acattcaaaa ttttctgcaa 27180  
 ttttgacaca gggaccgatc ccggttccaa ttgcgtcaat accataaata aaacctttta 27240  
 aatccatcat taaaaataaa cttttaggaa acattaagtt tttaccgacg ctgccaatga 27300  
 tatgtccata gtatggcata ttgtcataaa cgtcagctag aaaattccat tctgtgcgat 27360  
 tagggaattc ttcttttctg gttagaaaca aaactagttt ttcattccatc ttttccctct 27420  
 tcaaacgaag agtgtacact ttcccactgt tagccgctat tatttcagca aacttcacaa 27480  
 gattatactg tgcatgaatg agactttgca aaacgtgatc gatagacgtt aggaaggga 27540  
 tgtcactatc ttgataaatc ggatcaaaac ggtgcaaccc gaaataagca aagcgtcttg 27600  
 ttgattcagc aagcaaatat aaattttctt tttcgaagtc caaagcatag aaacgtcttt 27660  
 cttctccgag aagaatgatg gttttagcag ctgctgttgt tacgtcgttt ttagcactca 27720  
 gaaaaccgat gacttgtaac ctttcattgc aacataggag atagcaacct atgaaaacaa 27780  
 caaaaactta ttagaacatc atgacacatt ggaaatgttt tgactgcttt tgcaacttac 27840  
 ataggtcttg cagctcggtt tcactagtag ttctgaaagg catatcccgc aaaggcgaaa 27900  
 tgattatttt cctactctga ggccatctta tgaagatttc acaccacta ttttgagtaa 27960

cgaagtcact aagagaatcg cgataaaaagg cttgtttaac aaggcttaaa tttgcgagtg 28020  
catgcctaaa tcgaactttt tgttcacttt cggccatggt gaagcacact ctaagcttat 28080  
gaaaacagca gttgtgacta ggtttttata tattactgaa gcatgacgtc gctttatgct 28140  
taagctggaa agttctgaaa atatacagct atcttaaaca agtctgttta caatagggat 28200  
ttccttttcc tgtaaagtct gcctgatact agaaatcatg tccgtgaatt ccagtatgga 28260  
aatctgggaa attccaaaat atatgatata taaattccta cttttccatg cagcatcatt 28320  
aacgccgaat cgaatataca cattttcaga gctgcagttg acatactaaa atatggctat 28380  
taagatcacc gtatgtcttc gatactttaa tcgagatcgt aacgaacttg gaaacattac 28440  
ttttaatatg gaatacaaag acaggagagt cgctgtgaca tcgagttata ttcgggtaca 28500  
ttttgtttt aatcagcgtt aactgatcaa acttagaaat gtttccttta atacaaaatg 28560  
cggaagaaaa agcttacact tacctcttct ttatatgag taaaaatgga ccgcgggggg 28620  
aacagatfff aacagttcta gattacactc ggtttaaatt ttttgatggc tcagtgaacca 28680  
ttgcacactc aaaaaaaaaat tattttcttt caggttctct cagatataag aaagatgatt 28740  
atgacgttat tcaaaaacaa aaaggtaagc gaattacatg taaacattca aaattttattg 28800  
tttgttaaac atgtagaac tcacaatgtt ttctctatga tccagcaaag acttgcaaag 28860  
acagaaattg aaatgagcct gacagtcacg taaaagtgtt caaaaaagat tccgatgat 28920  
aatcgagaat aaatcaacca acattcttgt caactttgcg ccgatttact atcgacaaac 28980  
agaaaaacaa aaaaagtacc attgctgac cgccgacaag aaacactaca ccaatagttg 29040  
tcgcttgggt ttgatcgagg aagctttcgt aatcattcaa gaagatgaca tttttacctc 29100  
catatgaagc gctgagatct tccaattctt tgtacttgta ccaatcaagc cacgatgact 29160  
tccaagtttt gcgcaaaaat cttttataaa tagtttcatt gcgtactatt gtaaagtttg 29220  
gatttaagac tttcctttga tatatttcat cagataaatg aggacatata attgctacga 29280  
aataacaatc ataattaaat ttttgattta gaatttcaag tgttttgttt ttatcttttc 29340  
cgacgttct cacttaact gcaactatgc cagatcttag ctgcaaaaga aacttttgac 29400  
ccctgtcat aatagtgatg gaaccacccg aattatgacc ttctaacca cattcaagtg 29460

tactgttagc ccgagaagca aagtgccatt ttttggcaat tagtgctctt aacataactc	29520
ctctaaagta ataattgatc agcactctca aatagggttaa tttatgagat gttgtagtaa	29580
gatttactag actcatttcg cgaaatcctt cagtttttaa agacaaagaa atcagaaaag	29640
ctgttcttac agataaaca ctagaattcc ctattagcat ttcattaaca taacacgtgg	29700
tgacacaaac agcttctaatt ttattatcta gaaatattat attctggtga catttcaaat	29760
ttgacatgag tgtgagagat aagcaaatca aaaagacaaa aaacatcatc tcttttccca	29820
tggtccttta taaagacttc acaatttctt caagaaagtc cacggtactt ctataaaaca	29880
aaaaaaacac aattaactat tgatgaacat tgcagcattt ttccaatgca ttgccataca	29940
taccccgaaag aaatttttcc tttgaaaaga tactctagat gtgaaaattg tgttgaagaa	30000
agaagttccg tcttagtgga catacattca aacgcaggct caggaggttt ttgaatggtt	30060
gatattctgc tatcttggtc tttccccctt taaatggcca taaaaaagaa attatcagtt	30120
aaagacagcg aaaaatttaa aataagtaaa aaacaataag gcacctactc ggtaaattgt	30180
tcgaaattca ccgggaaacc cgaagttgaa gtgtgttcca agtttttcag tggcgagttt	30240
gctatttctt cataggtttc caatgagaag tttgaactct cttctagcat atctaaaggt	30300
gctgtctctg tctcgttage tgtgtttacc tctttatagg gatacatttc cgctgtggtt	30360
tgcggtttgt aacaccgttc tttaaaaaaa atgtcatttt gtgatgtttg agtactgcga	30420
gtaaaatgtc cgagtcccggt ttgcgtagat ctggacacta aaattgtcac accaggtgta	30480
tgacacattt tgtaaactctt gcaattattt ggaagattgt cattttctga gtatcctatg	30540
gacatatata ttttttctgc ctgtgtctct ctatcattcg aaagcttggt accaggaaga	30600
actctttgaa atcgcgcagg tagttttcca ctaatatgga ttgttttttg tcgtattcga	30660
tgatagtagt tgataaatct ttcattggcat tcatctctcg acatcttctt tgacatgcca	30720
tgtgtaattg cattttgaca gctaaattcc aatttcgtgg tccagaaatc ttcaaattgt	30780
ggcgataaat agaacatcac accatcttca taagcaaaca catgctgaga caaggacagt	30840
aaaaaaacta tttgtcttcg cggcgtccca gaagctgaca cccattcttc ggcaacccca	30900
aacatcacca tctttccctc aaatggataa aatccgatgt taactaaacg ttttaagtctc	30960

ctttctggaa gaatgtcagt catatcacia attcgaatat tgataacacat tatgtgttga 31020  
atggacacgc catccttcat tatttcttga actgtttttt caaaaaactt taaatctttc 31080  
gaagctgcaa ttaatttttc tttgcagcgc agcatcgtcg ttaagccaca ttccttagac 31140  
ataatcgtct cttcataaaa aatactgaat ttttaagcgta tatattcaac cccccgata 31200  
tgggcgtgga aattaataaa aacacttcaa aaagcaaact ttttattgaa actcattaat 31260  
gacacatgaa atctaaggtc ccgtgaatth gaagatctgg agaatcctta gacaggcagt 31320  
ctgaatctga aatttccatt ttttcagttg cacacaaaatt ttccacagat atataatcac 31380  
agggatcaat ttccatgatt actttaacac tatcagatct atcaaggtcc ttacgcttat 31440  
taagaacagc cataacatgc agccaaatth caaaaaacat ttttttaaca gtgattatag 31500  
aaaaaataaa ggcaagtata ggaatgatta aaagtatcca aaaaacttca aagtaattcc 31560  
cgtgtttgta agttttgtga aacaaattht gaaaatattc atctgaatta ttaaattcaa 31620  
ggacgttaaa agagtaatta catthttgat gaattaccac acattgataa ttagcggact 31680  
ccgtgttaat agatttaaaa aaaaagtaga atthtttccc ttttaagatg tccgatgcca 31740  
aatattcttc tgtcaaatca tcaggaacca gtttattthc tagcttccat tgaataactca 31800  
atcccagtggt actataaagc tgcgccgaac acgttatgth agatccacgt tttgtgatgg 31860  
acaccacagg tggccgatat ccatcttgac cgaaggtcac atgtgcagaa aaatctgcga 31920  
gttgtttaac acaaaactgc tgcacataaa atttgagaat aagtaataat tcaacattag 31980  
catacatgth ttctgcaaaa ccactgctag aaaaatccaa caggttgaca ttcagtgctg 32040  
tgtcattatg aacttttaac aaataatgac ttttcaaaac ggtgtcaatt tcacaaatga 32100  
attcagcgtt aaaattgtgg tgataatgaa cactgcgatt cctatgtgac cagacaaaat 32160  
aagagaaaat gctgtttaat gtagattcgt cttgttggt agaaaagacg taagacaaag 32220  
cattaaatth cgttggaaaa tctgtgagga aagacgaaat actagtattg ccgacagaca 32280  
gattcttata atgtgccagt tcatagtht ccatcatcaa ttcataatth tcaagatgth 32340  
ctttattgat tattgacatt gtcaacttat gtgccacata tttggtaaaa tgtacaatga 32400  
aaactaaaag acatgtthtt ttcacaaaca ttgctgttg agagattctt ttttaggtaa 32460

cggttcttgt ccaaacatca agtttgtag attgattatt ttctctgata ctggttcttt 32520  
 ttgtatgtgc tgtaaaggcc acgtcagaac tttctgaaca ccgtctaaac aggaaactcc 32580  
 taataaaact accgctgtaa caaatgcaag gaataatata gcaatcaatg tgtagcaaag 32640  
 catgtctacg aaaacattac tagacgtttt ttcactatct aatagatcca aatccacatc 32700  
 aggtaatgtt acctgtatth gtgttcctgt gttcttattc gtacaggtag aaacatatgt 32760  
 ggatcatttct actcttagaa aaattagacc ccaaagcaca tcactacat acaaaggagt 32820  
 aaaagcaccg gtagagttga aaccaactct tttccactct tctccaaacg gactttttat 32880  
 cttttgcaga acttctaagg agccgaaacc gtaacaccc catcctgtat atttacaac 32940  
 tgctaccttt acaccattct gtctaaatth cgaatatgaa caatctatgt tattagttct 33000  
 atatcgttgt tcatttcttt gttcaatcat aggattaaag ccttgcttaa atgtagcttc 33060  
 gaatgttttc gcgagtgata ggtactttct ttgccaaaa aaaagttgat tgaagtcatt 33120  
 ttcacaagaa ttgatcagaa agtttttagc gtgtgtcaaa gtgtgccaaa ttcgataagt 33180  
 gaagggatca tcttcaccta aatagttttt aatcgctacc cacgtgctgt ttcttttatt 33240  
 ttgcaagtag aatgtggttt caagaattct aggagaaatt ccagtttcat tcatacgtct 33300  
 cagacggata aaacttttaa agggatgaaca gataatttga atatgaatgt aagactcgac 33360  
 atcaagacag agtttatcat atcgcttcat cagtcctttt gtttttttaa agttctttaa 33420  
 caaaaaatga tttagttag aaaatacttg ataacagttg aaagccaaat atttgccaaa 33480  
 atcggtttca atttgcgtht cgtgttgcc aaaaaagaaa gcattgtctg tcattgccgc 33540  
 gactgcagag tgtctgattt tatcgtctga acattgtttg ctcaaagata tgtcgaacaa 33600  
 tagcaaatca tccacttag cattcacatc aaaatccaca actgctaagg gacagaaatc 33660  
 cggatagagt tctccataaa tcacaggaac gcaaacagc aagatagtcc acatgttgaa 33720  
 ttagaaaaga gtgatgagaa agaaagctth tatttcttaa tatatatttg acgactgaac 33780  
 gtcacagtta cgcctattth acggtgataa acgttagggg ttccgcaaaa atgtgtgcat 33840  
 tgatctttct gtgatgacac agtggtttagc aaagcacatc taacataata agtctgtttt 33900  
 tctcagtcat aggatccac aacaggataa gacattgtg ctggtctgat tcctaattac 33960

atgagctgta tttacgccag aattttgttt atttccttta attaccctca aaaaatgaaa 34020  
acattgatga aacatacttc ccagtgaac gctttcaacg gagatcatgc gttgatggta 34080  
gataaaacac aacaaggaga actttgccc aaaaaacatt tattaatccc agacaccaat 34140  
aaaggcttgg ttattgtatg catTTTTcg tttcttagaa tggttgcgtt tggggTTTT 34200  
aattagtaaa actaacaacg ctaacgctac aataccaata aaactaactg ctgcaattaa 34260  
aatcacaagg aacaaaaacga actTTTTta agggtattc aaaagttgag gttttgtcag 34320  
ttctggagtt gaaattgtca gtgtgaaaaa ttcagatgca ttccactgt tttcatgatt 34380  
agtagtactg ccactggaga atgtcgaggt ctttgtaaaa ttaaggatg tagattcgac 34440  
attctcttta gttgttgca tagtcgtagg tatactcata gacacagaca ttaaactcgt 34500  
cgtactctct gtatctgatg tgattgacgt ggaactaaaa tctgaagttc ttgacatttc 34560  
cagagtgggc gtactagaaa cagtactcat gtaacaaag gtaaccattt ctaaaaaaaaa 34620  
taaaattcca aataacattt taaacactgc gcaattagaa gaagcctagt ttaatatgt 34680  
acgtgtgccg actaaattac tgTTTTaag caacgcaaaa aagtgctgga atcggtgtaa 34740  
aattcagggc ttctacccc catatcgaa attgaagatg tgtagaataa gaatcagaca 34800  
taagataacc gatattatga gacatgccag tattataaaa gtccctcttc ggcgcacatt 34860  
tttgatttca gaactagaag ttgaatttat tgttcttggg gatagatttt cctgatgcaa 34920  
aaaaacggaa tgatcgtgga acatttgcaa cattacatca ttataagaag gtggcggtgt 34980  
ctcatgagtc atcttctagg gatatttaga gcacctgata aatgataaca tattctctgc 35040  
tattgaagga cttatataat catgatatgc aatgcaagcc aaaataaaca gaacaaacaa 35100  
ataataaatc ctttccaac aatcttcata ggtctctggg aaaaatggt tgtacttata 35160  
aaacattatg tgcagaatta tttttctac caacactttt ccatagtaat ggttgtttaa 35220  
atatgttctt tttttctt ttacaagtat ttcccatgg acagttgatc tgccgtgaaa 35280  
gtcttcttc cacatttcta acatcgtttg ttctttcaaa ccaataccca tgtagtcgac 35340  
gattttcatt aaatcgtaaa caaccgattt tcaaaaattc agttatgtta tgtgcgagaa 35400  
aatgatttg ttcacatct acacaaaaa tttccatt cacatcgaat attatcacia 35460

gttcaaacca cttcccaaaa acgttgtgtt ttacacaaaa aagaacatct acaatgttgc 35520  
aacgaatgac ccttttccaa cggatgaagg cttgatcagt ataagggtgc atgggaagtc 35580  
tgcaaaatcg tgtgtatgtt ttataaggac tacttttcaa tataaaacaa acgtttatat 35640  
tttcatccct ataaatgatc atatcagaga aagatttgct atgctccacg attttgctac 35700  
cagtttcaaa gtccacgata aaatcacaca attcgtagat ggggtagaaa aacttcaatc 35760  
ctactaaaaa gaaatcttgt aagtttgatg aaacatagta aagacttttg tcaaaaaaac 35820  
cattgtagac atacaaatgc cctctgtcac cttgtaaaag aattggctct ctgcaagttg 35880  
attttttaac atgatgtaac acaccaacaa cgatcaacgt tttttcacia cacaagtaag 35940  
tgtttcgaat ttcttcgatg tcttcctttg aaatttctgg gattgtttct aatgagttaa 36000  
atgtaactcg ccattcttct gggaaaggca atacgaaaga tgtaccttcc ttacttaaga 36060  
tgaattcttc gagaagagta agtttattga cacagcacia attcgctaag aaatccatgc 36120  
ttcagtttta aaattaccca agaaaaaaca aaggcataaa tatttcaatt tttttttatt 36180  
tagcacattt agaagctgca aattttcttt agaaaaaat taciaagcaa gctgaacaat 36240  
aaaaaagggt caacaaatcg cctgtaaaaa tatcttttct acccactggt tttgaaattt 36300  
gagcaaatag agcgctataa cctaagccaa gaaagaactc aaacaacaat gaaaagaaac 36360  
aatgttctgt tattaccctt gctaacaaac acagaatact acacagaaca agttgatata 36420  
gtttagtgat aaacaaatta ctatgtaaga ctgccaagaa aaataaatgc tggcaacttt 36480  
ttcttggtta atacaatttt ccaaaccaaa ccagcagcgt taaggttaaa aattgcagca 36540  
aataaacaat aacatctttt atagccattt ggtacgggcc attcggttta tagatcggtt 36600  
tgtatcgctg aagacacatg gcaaactgat gagagttaac cagaaactta taactggtta 36660  
catatggcgt tatcagaaac actgtaacaa gcaatctgta atgaacaaa tctgatattt 36720  
ttaacacaat ggcaattagg gtgccgaaat aagatgccat tgaatgcgtt ggaaatatta 36780  
gcatgcatct acagactatg gctctcaagc ggatttcaga aaaaaataaa aacgagcaga 36840  
ttaccaaaaa aaattcatcg gtcatttgca acacgagtaa tgataaagtt ataattttga 36900  
gatcggttaa aggacaatag ttaaacaat tcacccgacg gtaagtcaat agcaaactc 36960

cgctaaaaag gaatattagc actacttggt caaacagcgt tttctttatc ataagatgga 37020  
 aacagctttc tcccggaaatt acattcccta aaacaaggcc catagaaaaa cttatcatta 37080  
 cattccacat ctttgtcttt tcgaatttgg ggtatagtca aaatgtgcag aatcgtcact 37140  
 ttcgctgtcc tctttctcat taaaaaaatt tgttcctgtg ccaccatttt tagtgggcac 37200  
 catgtaactt gtaattttgt gttgcgtttc ctgtttacaa aaaaaattat ttccttcctc 37260  
 caccttgtga tttttctctc ctttttcctc tgtttttgcg tgacgttcaa attttgggtc 37320  
 gtctttaacc tgctcttgac tttaaataagc ttctacggtc agaaaaacat ttttagcgat 37380  
 taaaaataat ttgtattctt tgccagctat tgctctaaga ctacacgaag actttaaaac 37440  
 tgcacaagta ctaaattgctt gctgtagatt tttggaagat agtacaagtc tcatgcattt 37500  
 tgcgtcgtga aacacaactt tcccgctatg agcaaattct atttcgttta agtcgggttag 37560  
 aaattttata cttggcgggt taacttgcac aactatttgc gccaacgtca tttcattttt 37620  
 attactgcgt ttgttctttg tgaccggagc aagccatttt aaaatctccg ttacagttga 37680  
 atggtccaag tctattcgaa gtgcagattt tccgctttct ctacaattt cttgaccatt 37740  
 gacacaagga atagatgctt gtgcacaaat atctgatgcc gtgactaaaa accgcgtata 37800  
 gagatcgcta tcatgttgaa tatacagttt agtgacatca ggatttgata taatgcccac 37860  
 aaaactatca aataatggaa caaagttatt tatcgtttta gtcgaaaaat gatctgtatc 37920  
 gggtatatat aaacattctg catgaataat cagctttaaa accaaatggg tttttgcaga 37980  
 ttgaattatg attgccggtt gaggagtaaa agtaactgta gtattttctc gcaaaagctt 38040  
 tgcaaaagct cttagaggct tattgattgt tttccaagtt ttcattgtga aagccatgg 38100  
 gggaggctct ttggaatctc gatgttcgag atgatctcgg tgactatggg gttctctgtt 38160  
 gctacgatcc atgctgcacc aaaaatagat attaacagga agagttgtat gagaatacta 38220  
 aaaaatcaca gagatattca aaccattata tactgtgttt ttttggcgcc aaatttttat 38280  
 tacatcactg aaatacatgc atagtactca tcaccacacc atcagaaaaa ccaactcagca 38340  
 aatcaaattt ttttgatgga ttgacaccgt cacacttttg atttttatac acagcttgat 38400  
 aaattcctgt tttaaacca ttttgataga aacatactaa aatgtccctc atattttctg 38460

tcttatttat	gaaaaataca	tttgcttgtc	catgatctgt	aaacggcaac	gcaccgacgt	38520
acatatttag	catttcattc	acagaatagt	caaaagcatt	gagaaaaatt	gtcatttcct	38580
gcatttcctc	ttcgaaaaat	aaatTTTTgt	tgactttgga	cacatcataa	tttacagagc	38640
ttaagtactc	taaatggttt	ttaaatctgt	ttaagaacag	gccattgtac	actggtatgt	38700
ataatgtctg	taattcagta	gaatagacag	acagatcact	atggaaaaca	ggattaggat	38760
gcaaaaacttt	tatactagat	cgctttaaaa	tcttatttcc	ctctatggga	caaaaagatt	38820
gtgagcaatt	taacaaatcg	aactcttttg	acatggccga	accagacaca	aaggttagat	38880
ttctaagccc	atattttttt	atgtcgcttc	ttaaattcgt	ccataaaaaca	tttggtaatg	38940
tatattcaac	attatcatac	aaatcgcagt	gcaaaatccc	ttgtgcatat	ttggatcttt	39000
gaaaaaaaact	gcaaggttcc	gctccttttt	tgcaacaatt	catacttggt	ctaacactag	39060
aatagtaaat	gttctcgcat	actattcgat	ataattggca	tccaagttga	gaattaaatg	39120
gcagattcat	tgacattaat	gctgaatgta	atccagtaac	acagatagcc	aagcttcttg	39180
cattgactat	tccatccatt	aaaaaatccc	tattttccaa	agcataatct	ataacagcat	39240
tcccaatcaa	aactaactca	gtcactgttt	ttctcatttt	ctttaaattg	aaaattttat	39300
ctctataatg	aaacatatct	atgttagtat	gggacttttg	ttcttctgaa	acgttttcga	39360
caaaaataaga	aagatttaag	gcaattctga	aagctgtatt	caggccatat	tcaaaaggaa	39420
ttacatccat	agaatttcca	agacagtagg	aagctatttg	aggtaacatg	gagtacttat	39480
gtatattttt	cctaaagatg	aatcccatct	gtcctctgcg	taggcagcga	caaataattat	39540
ccagcaacgt	ttcagttttg	attctggcat	gttcagcggg	gcgttcacat	tcaagatatt	39600
tacttgtaaa	atcagattca	tcatataacc	ctaaattaat	tgccagagct	ttgtggaaaa	39660
ctgaccaata	agaattttca	gttttcagcc	gttcataaaa	aatttctggc	agtatttagac	39720
aaaacttgac	ttgaacagtt	gttggcaaaa	tttcacagaa	gtccagccac	attaataatg	39780
acaggtgcca	aatttcaaga	taaattgtta	gaccagttgt	tttatttgtg	tccttctcta	39840
caatttgtaa	ctgagacaat	agcaattcca	taagagactc	tgctcgtag	tgataacgag	39900
tcagattttac	actaacatat	gatccattta	acatcgcagg	caagaaaaaa	ccactggtaa	39960

tgtccaaaaa atcttccaga gaaaagttac tcacattatg aaagacagtg tcaaaaacac	40020
tctttttttc agacactaaa cccaaattac tcatacaagg aaaaggtaac atacaaactc	40080
tcttatacaa taaaatcaaaa atttcttcca ctagagggca tttgtgacta acaaaacttt	40140
tttgtaaata ttcgatTTTT tttatttgac tggccaatgt cacactgatt cttagaaaaa	40200
tcgttgggat gttttcttcg attccgtaa atgaatttga aatctcatcg agaaatctcg	40260
atgcagctaa tactcctggt gaaaacttcg ctctccagac atggatagct gcttgcaaga	40320
ttttttcaag ttctactttg gagtcacgta caaattcaat caattctttt tgtaaaatat	40380
tttcactttc taaaataagt gagatggaat caaattccga agcagagttt gttttgagat	40440
agaactggcc taacaaacga tcaacgtgcg gtgcatcatg cattgctccc agtgctgaaa	40500
ttatggcatc acgtaagcac cacatatcta agcccgaatt taagcgccgg agaatttttg	40560
aaatttcata taactgctta taaagaagag ttttgtgatg gaagcgtgaa tagcaaaacc	40620
gttttttggt atattcatca tgacaaagac atttcctcaa gagacccatg tttttattta	40680
tggaaacttt attgttagga tccataatca caagaaaatt tttctttcac acaattcgac	40740
aaagacgtct ttgagtctta taatggtaa tgagataccc tgtaagtcta aaattcctga	40800
ttttatgttt tgggttttac aatgaccaat tcgttgaagg cttccaaaat agtttagatt	40860
tccatcaccg ttgatcaaat agttcataaa cataaatcgt tctttgaaa acttgtttct	40920
taataaatct atcaatactt cttcatgtgt cagctcagat aaaacaatgt agatcccgt	40980
ttctatttta ttaaagtctt gcctatagat ataacagagg taaatgtact gaattgcatt	41040
ttgtcttggt tcccagtcag gttccaataa taaatctttc aatatgacca atccatatat	41100
attttccttt cttacgtcat atacatgacc ttgcattaca caggatatta gacaattagt	41160
cccttgagag atataattag ttactccaaa caaagacacc ttttcttcta agtaagaaca	41220
actatctaac atttgtttga tactgtcaac taatgaagtt ttatacagat tagctaaaga	41280
agtctctgtg cagaaagaca cattgaaggc attcatggct aaaaacaata cactaatcaa	41340
caaaaatttt ggactctccg cgtctgtttc aagtctgaac ataagcattc ctaaattggtc	41400
tcgttcaggt cctaaaagtt cgcaaggagt aaaacttcgc gaaagcacac actctttggg	41460

aacaccaaaaa gctagcaaac ttctgatctt ttttttctca ttttcaatga gattatntaa 41520  
 ggaagtttca tcaattgtct gatgtttcct tttttgaagc atttccattg ttcgcaagcg 41580  
 aaatggattg tacaaaattta caatttgagt caatattgaa tttacttaaa acagatgtgt 41640  
 ccgataatac attcttaact ataacagcga aaattgaaat tttttctctt gcggctgaaa 41700  
 gtatcacagc agataagata ttgtcatttg cgaaattatt accaatacac aattatcatt 41760  
 tcaactttat taaaaatcat atgggtgttt atatattaaa ttatagtact ctaggatttg 41820  
 ccaaaaagatt ttcaatagct gaaacactat gtagagaatt aaaaattttc cacagaacat 41880  
 tccaatcaac gtctaaatta caaaacttaa ataatgcaga agtcctttat caatttgaaa 41940  
 aacttattga atccattcaa gtattcaagg cggaattggc atcgcttatt ggtaaacttc 42000  
 tacgtcaaga aacaatgatc tatgacaaac ccacagaaaa atcagttaaa tatgtcatta 42060  
 ttcagcaaaa ttgataaaa attaataact taattcaaga ctgtgaatcg ataaaaaact 42120  
 gtagactcat agcggagctg atagatgaat tatatcaaaa agttttatagg tggtttatgc 42180  
 aaattttcac atacgacgat attatnttcc ccaatgacaa tttcttagat agactnttaa 42240  
 aaatggattt ctgctataca tattacacgg catctaataca gcatttatta tcactntttg 42300  
 aacagacaat tgacaatcaa atntttatcg acccttctcc atacttcgaa ataaatccag 42360  
 tatattctcc cgaattacaa tttatgagca catttagctt aaagatattt tcaaaaaata 42420  
 tttcagcgaa aaacgaagat ctatatattt atccactntt aaaaacaaac tnttcatac 42480  
 ttactnttct gagtttagaa aatattnttt tccatcatgg atttatatac cacatcttgc 42540  
 atagaacaaa tatcacacca actgaagaaa aaaaattagg aaaaataaat ggattcttaa 42600  
 acacggttat tcagcaagtc ctaattaaaa agaataactt acaaactact tntccggagt 42660  
 tgcttgataa aatctatcat ttgcatagaa taggcttgaa tatcgaaacg gcacaaattt 42720  
 ttttacaat gttaacaaca tacaaaccag cgacgacaaa taataagttg cagacattnt 42780  
 tcacgaattt ttcaataata atntnttcgg catatatntt tnttctatgt attgagttat 42840  
 tcagcccaac tnttatnttc cataataaaa aaaaacttat cctcgagaaa caaaaatcca 42900  
 tcataactaat tctcggtgaa cagttctctt tcatttggaag agaggtaaant gaaattgtag 42960

atttgttatt tagtagcaca gttacagaaa cctatttcaa attttattct aaaggtgccg 43020  
 atgactacga aaaagatfff ctttataaag acttaatgga aaaatgggggt gaattgtfff 43080  
 tcccattaac ttattcaatg acaacgccac agaaatatac cgacaagcat gtatcaagta 43140  
 cagttttgaa aaatttatgt gatacagcat atcaaagtaa gatggaaaca gcgtatgaaa 43200  
 gtctattacc atatattact caccagagt tcaaattcat ttttattaca cattacgtca 43260  
 gaccttcttt gtcattaatc acaaacttaa ctttgaaga aataaaagat aatcgaagat 43320  
 tactaatact aatattcgcg tgtaaactgc taatgccatc aaattatctt ttatcacatt 43380  
 acttattatt gttacacgtt ttcacactac aaattttcaa agtagatctt ggccattfff 43440  
 caattatata tgcaattact caaaaaattt ttgacaatat taattctctg acccaaacta 43500  
 tttttattcc aaaaacaaat tttttagtca gccttttatt aacagcatac actgtgcata 43560  
 tgcaaaacta tgtgaatcct tggatacaaa aaacaatcag tgaaaatata gcccttctta 43620  
 aagaatacat cgatttcaca aagaaatgtt caagtacttt ggcaactacg tgctatttga 43680  
 acttagaaaa ttttgcagta aatatgtatt ttgggaaaaa caaggttgga agtacttcac 43740  
 tatcagcttt ttatagaact tgctctaagc taattgagga atctaaactg tttaaagata 43800  
 ggcttcaaga aatcaaagtt tcaaaaacat tgtttataga gatgctgcaa aatgttgtga 43860  
 aaaacatcac aaaatttaag gatttagtct caaatcaaac ttgcaaaat tttataatta 43920  
 ttgttgaaag aatctcctct catgcaaata caacatatca agatgttctc aatagcatag 43980  
 atgaatgcca tttttcaaac atgcaactta tccaatcttt taaaaacatc gtgtatgtca 44040  
 ttgatgttct gaatactaaa aacatcttta acttttctct cgcatcacia ttaattgaag 44100  
 cgaaaaaact tgtaaaaaaa caggacacct ataatcaatt aaatgtgcaa gatgattttg 44160  
 tcactgtatt aaagtcacat ctaaataatc tgtttgaaaa gcagaagcct acaattaata 44220  
 ttgaaagaag atttatgtta gaaggaatac ccgacataaa acagattcca ttcttgatg 44280  
 tttttgatga aagatataga ctaataccac aaattgaaaa gtatctgcat tgggtacattg 44340  
 catatagtga agctgcgcag gctgatttgg tcgagccttt actcttaaaa cttggttaga 44400  
 tgagaatcat agcaggaagt acaaatcaaa acgatcctaa atacggacca agagccggaa 44460

agcaatgtat gtcaaattgt ttttctttct tgcatacagt ttatttgaac ggaataaaca 44520  
 atgtgttaaa taaagagtct attgacataa tcatggaaaa tggagcatta ttggataata 44580  
 tcagtacaac gacattgaaa ctcgaaactg gcaatatccc agaatatcga tttttcacag 44640  
 aaatcccaaa aaaaattagt tctaattttg gcgaaacaat acatgaatta tctagaccct 44700  
 ttaatggtac cttagaatca caacatatag ataatgaagt ttatcttgga ctgttagact 44760  
 ttctattgta tgggaaaaat aagaaaccag cttttattgt catcactata ggggtaatgg 44820  
 cagagctat atttatagtt gatgaattgt tttacctttt tgattcacat gcatcagaca 44880  
 cagaaaactc tgcagccatc tatatctgtg aggatattga cgaattatat gctctattgg 44940  
 ccatagagaa tgttgcgga ttttactatg atgcagtttt ttcataatttc attgaaacga 45000  
 ctgatttate tcttgaagac ggagatgcaa caattttgat tttaaagact tacaagatc 45060  
 cagatatagc tcttagtttg aatgattttt tatcaatgta ttcacttaca tctcaacaa 45120  
 agacagcgga aacaaacact ttaatttcaa aacaatcacc aagcaaacgc aaacaagaaa 45180  
 aaaccagtct aaattcaaat tctctagaaa aaaaaaggaa gcagggtca tcaactcaat 45240  
 actataacaa tgaagtagat ttagtaccaa gtttttatga gcttagacct caatttaaca 45300  
 atattttatt tgagctttct aatttcccaa ttgtaaagga aaatgtaaatt tggacccttt 45360  
 acatacagaa atttgcaaca aagtctacac agccatttac aaaacctttt atatggaata 45420  
 gggtattcca tctattttct caagtgggtg acgccttaat tatgattaaa aacgatcatt 45480  
 gggatgagac acaacagcaa aaacaattct tcacacattt cttgccgttc aaagaatttt 45540  
 ctgaggaatt tgaaaacgct ctagaggctt gccgagaaaa taatcttgat ctaatatggc 45600  
 ttataaaaa ctatctttcg aaaactactg cattcaaaaa ccttgaaaga attttattaa 45660  
 cgaagtttag cgccattgtc agtccgggtc atgaaaaaca ctacacgctt gtaaacacat 45720  
 ggctaactaa ctttaataca aaactagtca aacatccga ggataccaat gctttcatca 45780  
 atgactacgt gttaaaaaac cccttaaatc atttcatttg tttgaataag aaggaaaagc 45840  
 agagcatcgc tctactactg aataaaaaaa gaatgagtat gctaaaagat gtggaaatcg 45900  
 aaaagaatgg tttgttcaa ctccaagcat tcatcgagaa cataggagaa gctccagcaa 45960

attattttaga tccggaaaat gcacgcaaag tgaatgttga agaagtctca gaaaaagaca 46020  
 tcccaacatt atccacagat aaagtttcca tacccaatga aagtatgttc acatcaaata 46080  
 aaaaacacag catagaaaag ttaatacatg ctaagctgaa agccattttg agtacaatgg 46140  
 ggcaaagatt aactagaatt attcaagaaa attataataa catcgctgca ggttttctgc 46200  
 cgggtgaacga tcttaataat ctgtttgcct atttgggtcaa actctatttt gatgtctata 46260  
 gcatcaccat taacggattht gtgggtggaaa acgaattgat aaaaaatatt gaacaaattht 46320  
 acgacaatac gcaatatctg agatttggat tgacacgctt caatatgcaa aatttgacac 46380  
 cgtttactat atctgtccgc aaaatgttcc tggatttttt tctatcacia aaaactctga 46440  
 tagatagagc tgaagaaatt atagagaacc ttgagtttaa atcagttaca ccagaaggaa 46500  
 aacaaaaact tgccacaaaag aatatgctca gagaacaatt agaacagttg aatgctatgg 46560  
 atgtggatga tacaataaat ctgaaaacag acacattaac acatcaagta ttattttcag 46620  
 accaagaatt acgcatgata caagacttca ttttacaact ctccattcac aatattccaa 46680  
 gcattaactt tgtgaaatct ttgaaattac atattatttt agaaaaaaga cctgatatac 46740  
 tattagctct acaagaaaaa gtccagaata ttctatattt ttattttcaa gatctagtta 46800  
 acgagatacc tgctcaagaa aatgttttgt caacaatgtt atttataata gagctttttc 46860  
 cagccgacag tagaatacat ctactagaaa ccggatatat ttccagacat attgtaaaaa 46920  
 aatggctaaa catgaaatca ttgcaagatg ctgaggattt aattcgattt ataaatatta 46980  
 ataaagaaca actaggaaaa tttgaacatc agccatttgg aaaagaaatt caaaaaactaa 47040  
 ttgaaaaaat acacttgthc tataagcaaa aagtaatcga gtatcaggaa gatgtctgga 47100  
 gtgaaatggc taaaaatata attttaactt caccctctga attatctcaa tttttagctt 47160  
 cagctcccac tcaacgtatc atacaaaaac acaaaaaataa tttagatcag aaacttttaa 47220  
 tacatatgga aaaccaagcc aagcaagcaa tggaagatga caaaaaaaga gttgcctgth 47280  
 ctaaaaattaa tctggaacga cacctgaatg atttactgct cttattgaaa gacagacaat 47340  
 ttgcttccat acaggcttct gttttgattg tgtgcgaaaa tatattttaa acgataccag 47400  
 atgataacct aattattcaa ttttcacatg ctctgctthc agttttactt gacattgaaa 47460

aggatttaaa aagctattca tcagaaatat tagagaaaat actaataaat aggcccctcg 47520  
 aaaccagtag attattagtg tttaaagacg cttatggtaa tctgaaagag tttttaaacg 47580  
 ccttaaaaca atcacttttt gccacagcgg atgttcaaaa caaggctgat tttcttatcc 47640  
 aaattttaga ttttacctat aaatttagac ataagacaaa taaaggtaaa cttctacatt 47700  
 ccattttataa tgaggatttc aaactatacg aagaaacatt aacagagtta agaaaaaaag 47760  
 caacagatgc aaaagagtcg ttaactaaac tttttaaagc atccgaacaa aagatcgagc 47820  
 tgtcgcgtac gattccgta aaggaaatct acctgaacat agaaactgtt aatttccaag 47880  
 gttatggcaa cgtagttttt cgagaaagtg cttttaaacg cgcaatagag gtagaaataa 47940  
 aaaattacga aatgaaatta aacgatctaa taaaacactt taattcacac ttaaaaacaa 48000  
 aaattgacca catgcagatt cttaatctat cttttgataa caaatggaaa gattttgtct 48060  
 ccaagtcaaa aatatctttc ccaccagaac tgacaataag ttcacaagag ttgatcaagg 48120  
 atccccattaa agttataact gaaactctaa acaaagcctc aaacgattta gcgtatgtga 48180  
 ttagtgaaaa aatattgaag tggtaaatag tttttgtcaa agaactgaat accttttttg 48240  
 tagctacaat gtcagaattt ggagaagtta tcccctttga ctataaacat ttcagagctt 48300  
 tggaatacga aattaattct aagtacatag agattgaaaa taaaataatc tgcaacgaaa 48360  
 ttatcgaaaa tactgacaat atagaaaaac tctcaacctt gataaaacaa atagatccaa 48420  
 atcgtattgc tgggtggtaaa cagaaatttc aggattatct gagcaaaatt ctaacagctg 48480  
 aaacgaacca gcaacaaaca cgctataaag aacagttaaa aaaacagtac tttgaccttt 48540  
 tagataacat cgcccatttc cggttcgcac tcgattttta ccatcaacaa aatttaattt 48600  
 taaaactgaa agacaaattc aaaactctta gaacagacac tgtatttgaa agattttcaa 48660  
 atttagatga tacttttgtc agttcaatga atgtcgagaa ctttttgcag gcacttgagg 48720  
 cttaagcca tttcgtgcag gcagcacaaa attttctaca aaacgtttta acagagcaag 48780  
 cggattttatt tccacagacg aatttcattc ctgtcgaact ttccaccgtc aaaacaattc 48840  
 caaaatcaga tataaattta cgtatgaaaa tacacacacc ccaaactttt tttcaggttg 48900  
 attcagtttt taatacacag ttgatagttg atgagaaagg aattccagtc caattttaca 48960

atgttttcca caatattgtt ttcaagtttt ttgctctaaa ttataagaaa attatcgtac 49020  
ctgataaagt gctgaactta gtatcaacca agtataagat ctaaccaca ttaaaaagca 49080  
ttctgagtgt tgtaaaaagc ttttgaaaag agattataaa tttcgattta acttcttatt 49140  
tccaagggaag agcagaattt acttttcaaa atgttttccc aataattaat cttaaaatat 49200  
ttattttacat tattactcag gcctggtcag tcacatctga tgaaacacag cattcgtttg 49260  
aactgccact agaaaaattt tctcttttaa ttatagcaaa taatccagag tttctttttg 49320  
gttctctgca gtgtccagtg gacctagcta ttaattctct aataccctta ttggaaaaga 49380  
aaaaatatatt cactgcattt accatctctg acaatccacc caagctatct atggatgaat 49440  
taaaaattgt gtgtttggat ttgaacacct ggagtgaat aacattagaa aaatacactt 49500  
ttaaaaagaa cagtttgatg cagttatgta tgggcaaaga gaaatttttt atttaccttt 49560  
tatcagcgtt ggttcttctt caaaattttt tgaattacat ttggattcaa tacaacctt 49620  
cgtgctgtgc tcaggattca ttccaacaac tcattcaaga tttatgtttc gagtatacac 49680  
accagaatca cataaagccc atttcattaa atctccaaga accaaatgca ttaaaacatg 49740  
tgaaaagaat cctttcgaaa ttcgtgctgg aaaaaaatgc aaacacttct ctttttagta 49800  
tcttttttagg caagcagttt ttattagatt atctattatt ttcatactta accgcaactg 49860  
aaatgacttt ttcatattat gtggattcca tcaaaaattt tcttcttacg atccgacatt 49920  
tgaaaatgt ccagcaaaac gtagacttta gaacgatatt gcaatctcga aatttcgatc 49980  
taaaatatct ttaacacaa tcatggacac aaaatgtttt agaacagtcc atctttcacg 50040  
tgcaacttga taaaatcatt gctgacatca aacaaccaca actaagtctg aagaaaattc 50100  
cactggtttt gttaacggt gacaacgaag tcgtgtcaac ttatgtgccc cctgaacaag 50160  
caagccagac agagcagagc tttcgatta agaataattt cccaaatcct gtgcaagagt 50220  
atagtagcaa aaatgtgatt ctttttacga actatccaaa aaacaccaa tttttattta 50280  
actctcctcc acctaaaaca gcggcaaaaa gttacaaact accagacact accgatgaca 50340  
taaacacgga aacattatca agtcccacga ttcaaagaat ccctatcaaa ggacttgtag 50400  
ccaaagaaaa cgaaattgtc tttttaccag aaaaaaacac tgcacacaca gactctaaag 50460

agacaaaaac gcatttaata gacaccttca atatattgtc tcaaacaaag ggtgaaatca 50520  
 aaacattttc tacagatttt gatcaaaciaa tttccaaatt aaaacatttg tacttttaag 50580  
 atgattcgct aactttgcta tttaatctat gcaaagcaag catgcgtaaa aaatcaagtc 50640  
 tgaaggctgc tttttcaatg tttccggtat tttgttttgc atattttgct agaaacgtcc 50700  
 ctgtgacagg gtgtgaaccc atagaagaat gcaagcctag aatattcgta aacatttggtt 50760  
 gctttttctt ttcttcttct ttttttgaac tgttgccaga aatctgggtg atttgagcag 50820  
 tgatttcate accacgtgtc gcagccatgt tgcgtgcact tagctaattg agaaatttta 50880  
 cagcctgtac aaatttctcc acagtctctt agatcaagac acgtttctct gtagatattt 50940  
 tgacaatctt ggcattgaaa ttctgtggag tgagaaatta gtttcaacag tttatttatc 51000  
 gttagattct gcagatggat catagagtaa caagttctgc aagaacatgc aacaatggca 51060  
 tcaaatttaa cactatcggt taaaatagtg caagcggaat tagttccaat tatagctttc 51120  
 catgatacac tttttacttg aatgcctgaa aactatatt catacaattc atatactttt 51180  
 tcaagtgtca aacgttgccc gccacataat gaacaataaa gcaaactctgt gtgcatactg 51240  
 taaataatat ttttttctg tctatctcga taataaaaca tcgagcttaa agaaaaagtt 51300  
 tgtttccctt taagcctctc tttgccgga ttttaacaat gtccacattt agaacatata 51360  
 acagtgagat aactatcaat tttagcatat ctgagacact ttgttttgca aaaacataat 51420  
 accggtaaag agatgatact tgaagttaag cttcttttca agactgtcgt caaagcaaaa 51480  
 gttagaattt ttggaagttg atgtttttct tgtttgttca aaacaatcgg caccaagtta 51540  
 ttattttcta gcgggattaa aaaacgatcg aaactgtaac aataattttc tatcatggcc 51600  
 atggccatag caaagataaa atttccacat ggaactgtta aagaacaccc atgaaatata 51660  
 tcttgatatg tcaggttgct tgctctatga gcgtatcgca gtgtgatgtc attacattgt 51720  
 tcaaagttac gtaaacaaaa gagtttcata caaggaatat tacaatgagt tgaaattggc 51780  
 aacattaact gttgctgaaa taaataataa tagagatcat taaaagacac aaacgacggt 51840  
 atttccaaca actgatttaa cttatgtatt gggatttgtt tgaatctctc cacaatttgt 51900  
 ttccaagtaa gacgttgaat tttgtaaaga gccagaattt ttagaacctt gcattgcctg 51960

tacaataaat acaaatatgc caaaagcaaa aagaaatfff ttgtcatcat cattttatta 52020  
aaaatagctt taatctgatt tcttgaatcc agatcacact ttaaccaaac ttttaaaaac 52080  
ttccggtaga aattatcagt taaatcttta ctcaaaaact ttttattcgt tacgaacatc 52140  
gataatacgc aattttcaga tttgctgaca tctccaataa gaaataactg caaatgactg 52200  
tacgaaccat gtttacacag cggagaaatc agccgacaaa gcaaattcct taaagatgac 52260  
atagcataca attagtaagg cggcaaccaa aaaaccacaa agaataattat ttctccgtgc 52320  
aaaaatagga acagtaactg ggaataactgc tgcgtctttt gtgtttccca tgtaatttat 52380  
actcctgaat gatgtcatct ctctactga cttcaactgt aacctcaatg gtttttttat 52440  
gtgccttgca gctctatggt tctctaaatc ttggcgctct aaaaatffff tctttaagat 52500  
tatcgcttta agaagagcga tatactcaga ttcactctcg ggaccaaag ccacaaattc 52560  
aactataaaa gccgcatctc ggtttcgtct aataatgcac tttgtcagta caccacttga 52620  
agaaggttta atagcttcaa tgtcattcaa acacacagat aaacactcat tgacatttaa 52680  
gatgttgcac tctttgacaa tgttctgact ttcttgtttt atgggagcgt ggagataaca 52740  
agacatggaa acagcacctc ccgtatffff aaaaataaat ctcgcttctt gttttgtcaa 52800  
atcttcccag agactcagca aatattccag gctatatgca aaatccaatt ttaaaagtat 52860  
atcacataaa ggaaatttag gatttttaga aaataaattt ttatctgtga cacgaaagtc 52920  
tgcgggaccc aatfttaaaa cgcggcacgt ggaaagaatt aattcatcgt acatcttttc 52980  
tttcaacatg tttatfttct ctttaaaaat ttctgcagtt gtatattatg tattttaaata 53040  
ttctgatgt tctaaaattc cattcacatt taacagtttc gataaaattg aagtgagtag 53100  
tttgatfttt tttttgataa tctccgagtg actgcattga tttgctctgt gatgtaaata 53160  
ttttaaatag gttaagtgtc tgtatccaac attaataaaa tgtagtcggg catctaata 53220  
aggcagcatt atatcgtaca gttttggtaa catagggaga aaagctatft caatttcaac 53280  
tcgggaagat aattgttcat aaagaatttc tatatctggt ttggcattgt cgttagacat 53340  
ggcttataag ggatggaact ccgattcctt ttctatgaac tcagaactft ttaatgaaat 53400  
tcttttatat gcacacttag attcaagtgg aatagattct gatgatctta acacaaatcc 53460

caatacactt gaaaatgaaa ttaactccgt tgaaaaaact ttaaattattg aagaactgaa 53520  
aaaaattaca actgctttta atattgacaa ccgatgcaat atatgttcaa ttataaacat 53580  
ctgtttacga catgaaaccg ataaaatgtg gatctatgac tatgctcttt tgtgtttacaa 53640  
atgtaatgct gcacctagaa ctcccttgge tgctgtaata atcgccaccg aatttatgca 53700  
gttgattcaa aagcatttct taaacataaa tttcgatggg ttatttttta acaacatttt 53760  
gtcaatactc gattttcatg tacacttttt cataaacagg tgtttctcaa acaccaacga 53820  
tgatctatta cataatgaaa acataacctt atatcacatg gccatattaa aatcacttct 53880  
attggaagac gaatctatac caaatataag aataaagaaa tttaaattaa aaggaaaacc 53940  
aacgaaaaaa cagcatggaa atgctatcct tgaaaaacaa actcttccac ttaacacgca 54000  
ttttacacat ttaatttttt atatgtgggc tgggacaaac atattcgatc gcatttcact 54060  
aactgatcta gccatcaaga aacgccaat tttaaaagcc atttactcta ctaaaaatga 54120  
gctcaattgt tctgcgggac caatctact atctcaaata ccgatctcca tctaagaa 54180  
cgccaccagt agcgtatgct tattatgtga actaatgaca tcttctcaga aaaatttcga 54240  
cttgctacag ttcactaca ccagtgtcat taattactgt caaaataatt tgaagatgat 54300  
tgacagaatt caattcgtac tcgcaaactt tttagattta gctagaatat atactaacgt 54360  
taaaaccaca tcagattgct caaaaattgt attagccaat gaacaagaat tttcaaactc 54420  
tgattttgta attgattgtc atagtttttt aattctaaag caggttggaac ctgtgggatt 54480  
atacaaactt ttctttgtg atccactgtg catagcaaac attaagacaa taaaacccca 54540  
tattttattc tatacaacag aaagctgtat actacaagac ttcaaagttg caatttgta 54600  
tcagaatgag tatttaaaca gtgttgaaaa acatgttttg ttagccattc atttttttaa 54660  
agcatttcag gtttcaaaat taaaccacaa aaataaaacg cttatatctg atttcttaaa 54720  
ggatttcaca cagctcttag cagatcaaaa ctttgaaatt gtcgactcta catttaccat 54780  
tcattattac gtttagcatg attattcaaa gtacacgtag actgagacga gcacttagct 54840  
tgttaaagaa aagcaaacct tacaacaaag aaaaaactaa cttatcttta tctttgtcac 54900  
ttaaagaact ccattcggtt ttcaaattat ttccagagta tgaattgaaa tttctaaata 54960

tgatgaaact tccaataacc ggtaaagaac ctatcaaaat tccattcgat ctaagtctac 55020  
 atcatcaaca tacgtgctta gacttatcac catatgccaa tgaacaagtt tcaaaaagtg 55080  
 catgtgttaa ttgtggtaca acaaacattc caacagcttc agatgctatg gtggcatata 55140  
 tgaatcaaat ttcaaacgta atgcaaaata gattatatta ctacggtttt cagaaaaagg 55200  
 ttgaactgat tcgtatgtca gccaaagcaac caacgctttt tcaaattttt tatattcttt 55260  
 caagcatagc aagtaatttt ttaccaatca tgtttgaaaa taacgagaaa ttaaatatgt 55320  
 atgttgtttt ccaaacaaga actcttcata tcccttgcca atgtatcaat cagattatga 55380  
 cagtctctc cggatacact gtacttttag acatcttaca cgacagcatt gtactacatg 55440  
 ttctttgtaa aactattgag actagcaata ttcaaattga tattaatggt cttcagcgaa 55500  
 aaattgagga aatggacgta cccgatgaaa taggtgacaa gttcgaaaag ctgaaacaca 55560  
 ttctaccgtt tatttaaaac agatcacaga acatctgtca ggtcacaaaa gctttgatct 55620  
 acatatactt itaaaggtag gattgaaagt aaaaactttt ctttcttaat gcccgttttc 55680  
 ggaaatattg gagagatagc atttgttaca gctttcatta ttgtttcaaa atatttatct 55740  
 gcattgattt ttaagttgtt ctcaatagca tatgctggat cttctgctaa ctcataatta 55800  
 tgaaatgttt tttttacggt ttctgtgggt gcaattaaaa tgtacataac tctatctct 55860  
 atgtttggca actcttcctt tctttgagct aaccttttaa caacagccaa atgttgtaaa 55920  
 ttgcttgct tgtaggcaga aatgtctttt gataagactg aagacaaaac caaactttta 55980  
 atgttaacce tgtttaagaa aagtgcgtct cgtgcgtcac acaacttttt aattattttt 56040  
 tggataccat cggaactcc attttcatag atttcttgta ttgtcatatt agagagcttt 56100  
 tcagcagact tttgtacatc gacatcccaa aagagaagat cgatgatgtc tttaactacc 56160  
 actttaacaa aatcgcaaga agtcttgcca actaactcca caccttttaa aacaagcgtt 56220  
 gcatcatcta actttccaat gtaacgtttc ttgcatatta aaattaatgg aaataggatc 56280  
 ttttcaaatt ctaatttgat aggatgttta aataacgtgt ttgttatgtg gcttgcaata 56340  
 gaaggagcta ttcttttcaa agctttggga caaacatttt tgaaagtaac aaaaagactg 56400  
 tcagtatcac cataaatcac ctctattcca aatgtccctg aaaaatcacc gcgtgtcaat 56460

ccaaatttct caatgaaaaa agtgtccgaa tacatggcgc tgtcaacgta atcaacagtt 56520  
 ttacaaagca tttcacgccc aagacatgtg acagaagctg ctattgccac acatggaagt 56580  
 aagctatgtg ttgccccggt gactccgtag actgaattac aagtagtttt taatgcaagc 56640  
 tgcttcttat ctaaaagcat ttccatcacg gggttgttac acattttcat ctgcattttt 56700  
 acttcttttc ttttatccag ccattttttc aataaactcg ctaaaattga ttccctgact 56760  
 gtctttttta caaacctgtg cgttacaggt ccaacatgca cagtgagaat gtcactgtca 56820  
 tgtaaacc aa ttactgcatt ttcacatca accagggtac tataacacag attatgagcc 56880  
 atcataatac ttggatacaa actttggaaa tcaaaaacta ctgttggagt agcataataa 56940  
 cctattttcg gttctaaaac tgtagcacct ttatagccca ctttttcttt gcctttatta 57000  
 aagttagtgt tcatacttgg taaaatcata tttaaatttt tagcttcgtg taaaatgcat 57060  
 gggaaaattt tttttgttg tccctcaa at acggcgcaac gaatagtaat ataagcgaga 57120  
 cttgcaacct cagccatttc atagtataa ttaatctttg taaaaagctg aacaaccaat 57180  
 agagaatctt gtatacaata tctgccaacc acagctctac ctttgaacc atcaataaat 57240  
 ttttaggaa tttccttgta agagagattt ttttttctt gatttaaaca aagtttggt 57300  
 atagtgtcta atttataatt ctgagctgag attttagatg aatacacatt atacatgtcg 57360  
 aagcataaaa tcccagacat gttacttta gttaaagaat tcaaaaactt cttatgtgt 57420  
 tcgtagggaa cgatgacaga aaactttcca cgtttttagtt tcgaaaaacc ccctatctca 57480  
 aaattatata tttttccat tctcgtaac aaatacttta aatcgaaatt tatgatgttg 57540  
 tatccagtaa ggatttctgg tgatttacat tttaaaaaaa ggaaaaaagc atatagaagt 57600  
 tcaaattctg atgcaaaact atagatgaat accccttcga tttgctcgca agtgcccaaa 57660  
 gtaaacaat gtttactttg gtaatttcct tcagaatcaa aatcgatgac cgaaatttga 57720  
 atgatgatgt caccatttg ctcagcatct ggaaagtttc ctttttggt tagacattca 57780  
 atatcaaaag aacaacaatc atataatggc caagaatctt cttttaaca aaataaatct 57840  
 gacacatgac aatttaattc aatttcaaca ttactgcttt ttgcaaattc ttgaatagat 57900  
 agataattaa tttggtacca accaaagctt ttttaagtgt tatcaatgaa gaaacgattg 57960

agaatctcaa cttctgcttc ataaacagaa acgccctcat ttagtaaaat tttccaatt 58020  
 cgattactga tataaaagtt tgaaaatgat aatttaaata aatTTTTgat aggttccgtg 58080  
 ttataaccgt agaaattgta tttagttaca gattcaatag aaaatgagca tgacattttt 58140  
 atttcagaac tattcagaag tgaacagatt ctagaattca gctctTTTT acattgatat 58200  
 tcacagtaga aataactatt ttgtccaaat acattgatac aaactTTTT accacattct 58260  
 gTTTTtccaa aaagttttat gacattacca gatggaataa cgaaatgtct atattggaaa 58320  
 gggatgtttt ctatagaatc agtaaataat aaagattcgg atgcatcata gatatgaaat 58380  
 tttaaaggcg cacgcaattc ttttcggct acttgagaaa gcgatggcca tgtcatatca 58440  
 tttttgagaa tgtattgctt atcttgatag aacattctcg gttccgagtc acaaagagtc 58500  
 ttcattaagc cgggtgctcc atcgtgcatt ataccgcgcg gaaaaatccg gagaaaagta 58560  
 gatTTTgttt tttcttagt tcgtacattc tctagatacg gattaaagaa ggacaccaga 58620  
 tccatcacag ttcttctgtt gaaagtttct gatagccct gtattgaatc ctttcaagta 58680  
 ggcttggctc ctgtgatttt ttgcctcag cgatttccgc tttttatat gactcatcta 58740  
 ataatttaat agctttcaac atttttaag cttccacttg tgaatattca ttagtgtgtg 58800  
 ttatgtcatc acctgcggt tctgtgtctt tgtagtttt taaataaggc ggagatgaat 58860  
 ctaaaggttc tttcacttgc gcttgaactg attgcgttgc ttgaagtacc gaatttgttg 58920  
 atTTtgatgt ataaggaaat aaaatatcaa tcggtgtttg tgctaatcgt ttatgtctta 58980  
 aaaataagaa aataactaag ccaatcactc ccaaagttag taagatagtt agtgcctcac 59040  
 caaatggatt ttaagaaaa gagaaaactc cattcaccac atctcccaa gcaccagccg 59100  
 ttacaccag cacagcccc aaaccaagac caagagcgcc aagaccttg aaaaatgtgt 59160  
 caatccctcc tatatatgtt ggagtaacag ttgcaatttt tgtttctata tgggtgtagcg 59220  
 cactTTtgta agaattgtat tctctaagaa tggtttccaa atcaaaaacg ttcgctttgc 59280  
 tcagttcatc tttgtatac aattccaata atgtaaaatc tgcattttct aaagatcta 59340  
 tgtttaagtc aacaaacgca tctaaagctt ctatttctgt tatcaaacta gaattaacgt 59400  
 acgtatagtc tttaaaaata tgagcgaatt taccagacaa aaaaattttc gtgttagatt 59460

gttcacattc ttctgttctg tgatttccca gtaatatctc attgtctaaa ccaagttgtc 59520  
 ctaaataagt ttccttcgaa gaatttgcaa atgaatatgt taacaatggc cgagaataac 59580  
 atcttagagc atcgtaactt gaatcttttg tcaatctcat acttttatgt agctgaacag 59640  
 aagtctggtt gacttcaatg cactttgaga ctgctaatac atcaccaatt aatttagcgg 59700  
 acatggggtt accgtacact gctgaaatga ttccagaagg acttatttta ctaagctcgt 59760  
 gcaacactgt gatagtgcgt ttttgatcta aacaccaggc ttcagcaagc ttacctagt 59820  
 ctgtgttaat gtaatctttc agagtgtcgt ataggtattg tagttgaaca tatacgatgt 59880  
 ctttgtagt ctctaattcc ctcttctcc tttttctaga agcattagaa aaattttcca 59940  
 aaaccgttaa tttccgttgt attaacggtt gccaaatcag aattaaatct ccctcagttt 60000  
 taaaaatttc ataactacca tttttgtcat gcgaattggt gtattgcgtt tggtaaactc 60060  
 catccaaaat tgaagtataa ttgctgttaa tacaattata ttttgaatca gaaagcgtat 60120  
 aattactttt tcctgtgaca aaagaagcag ttagttcctg cgcaataaag tgaaaactgt 60180  
 tagcattttc tgcccgtaaa gcgtgtggga ttgtcatcca atgctttaac aaacaaatgg 60240  
 aagactcttc attctgcact tcccatgaaa aaatagtatt tcccttttcc agaaaagcca 60300  
 ttttagttaa cgtcacaaaa tttccttttg atccatcatc aaacgttttc agcatagtat 60360  
 aattatttct aaacaaaatt ttttccgttg gttcattaaa tgtttttagaa ttaataccat 60420  
 tataaaacgg tgacccttcc acggtttccc ctgttgataa agcaaaaaaa tcaaaaggat 60480  
 atttagtctt tgcaatgcag tctgtaacta tgcaatttat cgatgtagat gttgaataga 60540  
 accagagggg accatttctt aaaaatgggt ctttagtagt tatatatctt ctgacagtat 60600  
 cagatttaaa atttaacgga atcaaatcca acgttttatt cacatattca tctttatgat 60660  
 atgcaacata ctctcttcc tccgaacgtt ttacagagat agaggacaaa caacgcgcct 60720  
 cgggtgtttac catgtgcact tcttcaattg gcattggcaa agttgtaaca gttcgatcta 60780  
 agaaatacac agtgccaaca tcgcgatatg ttgtttgaaa tgtaagttct tttttaaaag 60840  
 ttctgacaga aaacgtgtgt gtttcaatct ttgttttgta aattatcaaa ataccttcgg 60900  
 tagttttaat gttagagccg taagacgcgc aagaaacctc cctgtcaaaa cgcactaaat 60960

ctgtcccggt ggcaattgaa caaattcgaa atggtaaattg ctgatttgtt ccagtcatga 61020  
caaagtcagc ttctgtttgt agagatagct gtaagctaaa agttataaaa acactcagga 61080  
atagaatfff cattttgtct acatagatct aacagatttg gagccggtat atgggaaact 61140  
tgcttagttt gtgaaatttg aacaggatcg cattgagtct ttaaatcgaa atacaataaa 61200  
gagtacaaat cattaaatff tgctgtgttc gttccacgct tgaatagtaa aggagaacca 61260  
ctatcaaaaag ttaaaagtat tttttcgaca gtttctgtct cttcgccaaa cttgacgatt 61320  
gataattgtt ttccaaatac atcattatat agtgcaacag acaaaaactaa ttccctgata 61380  
aaattccaca ttgtcttttg catatcggtg atattatgca aaccatcaaa attgaaaaat 61440  
ttattatatg tacacagcat ccaatffttc gggtagatcg tgccttcaac acatttagcc 61500  
agatcttctt tcatatgtgg taaaaaatct gcaacatcg c aagcatacgc catggatatg 61560  
ttgctggaca atggaaaaga agcgggtgtg taattcgaca atggaccagt caacaatcga 61620  
tacatttctt gacttaaatt aggtaaaagt tcctgaggca atttttttga aagtagattg 61680  
tttttaattg ataagtgatc atcataagta aatggatcag cagagaaatt tcctagtgac 61740  
tgcagttgtc tatttgcaaa tgcgttcac attttcgaaa gactttcgaa aatgtgattt 61800  
cctaggatat taatattcat taacttattt attaattgctt cttgtctttt gatacacagc 61860  
attactttac tataaccgga ttcggaaatt ttttggtaat aagctttttt tctaattgtg 61920  
atctcttggt gtaaatgtg atcttgtgtc attgaatgag ttacgtattt ttttgggaca 61980  
gtttcatgag ctgaatfftc aagttcattt aataaagttt ttattttagt ttgtatttca 62040  
tcttctctg ccagctttgt aaaaaccgga tcttcttcta agttttttat actaacattg 62100  
gtaataatat caacgagtct gcaaggggaa ataaatctcg atccgatgta taatttgtca 62160  
tcatttgtaa cattttcttc gttaaaattg aaaacatctt gaatagtttc accatataaa 62220  
aacttactaa tttcattttg gagatcagca taaagtgaat gacaaagatt tagttgattt 62280  
agagttattg aagctttttg aataacagat tctgaaatff tagaccaata ggtgaattca 62340  
ctcaacgaat aaattgtatc tggaatfftg ctaaaaaggt caaagttgat taaagtgttt 62400  
tcagcttctt gtaaatgtgg aggttttgaa tatagttgct gttgaaaaat atttgtgatt 62460

ttgcceatat actctttttac aagaccatat tgttttgtgg aaaaatccaa atcttttctca 62520  
 atgatgtcaa cgtttttttc taaattggat accatatgtg tttcagttag atgattacaa 62580  
 aatttgccag ctagtctttt acgaatagac tttccttgat tgggcactaa agataattct 62640  
 tcataacatt ttaaacaatgt agtagtttca gaaaaaactt ctggcttcat cactacgcaa 62700  
 acgccacaca aaattgttag aaattcaata atttgactgc aagcattaat gccatccagt 62760  
 ggtgaaatta agccaaaaat acaattcatc ttacataaaa gtttttcaat atcattgatc 62820  
 gtagaaatgt ctacagaaaa agtcaaataa ttattaagag ccaagtccaa ttttaagtgt 62880  
 tgcttgcatt cattgagttg gaatatattt tcaaaatatt tttgtttgtc attatctaata 62940  
 agaaattgat gaattgaagc atcgagtaata aagacttgat tatacatagc ttttaataaa 63000  
 atctgtaaat aaatggttac aggagatgca caattaaaat tttgatgaca gagttcagca 63060  
 aataatgtct taaacaaatg aattattaca acaccgtttt tctgaaatt tgtcataatct 63120  
 ggaataagtg tgacagggtc acaaaatcgt aagcactcta attctaaagc acattcactt 63180  
 aaccttgaac acaagacaca caatgattgc aaagaattca tttttacaat ctagcttttt 63240  
 ttaaggaggg ttcctcattt tcatgctcag tctcttcaca ttttaataata ccaaaacctt 63300  
 gctcattacc ttctaccaa agttctgaaa aatcatagat ggcagcacta tcttctactt 63360  
 gttcttcaaa aactgacaat aaagttgaaa gagaaaaatc atgtacattt aaatccgtta 63420  
 aatgctgaat ctgttgcatt acggattttg ctagaggctc tctaccatcc acgtagaata 63480  
 acatatcatc catagtaggc ttactatctc tatctttcat cacttcagct aatatgagta 63540  
 gttctggatt tacagaattg gataaacttt caataatgtt gagcaccttt cctcgaatta 63600  
 ctccacatc ataaacaatg gtttctctct taactttctt cacaataatg tcacacagtt 63660  
 tttagcaat cacaatttc tgacgcataa aacggaaatc ttgcaagccg gaggaaggag 63720  
 ggtttaaatt gcgatctaca ccacttcag ctatccaacc taactgacca aagtggaaat 63780  
 aatctctact agcaacactc acaaattttt cgatcattaa accaaaggta ataataagatc 63840  
 ttcctgtgaa aatgctccca aaatttggtt cttttgttaa tgatgcagtc ataggttctt 63900  
 taagtccatt ccctaccaac ttttttacgt gcatgacgta ttcctgcaca gaagaaaatg 63960

ttggatgttc ttttaagaaaa actgggaata acatagggtt ttgaggaact agtttagaag 64020  
 ttaatgcatg caaacttggt agataatctc tataaccaag aactgataat aatttattat 64080  
 gaaagtaata ctcgataaag gatagtaagc attctgggtg aatatctaac aaatcaattt 64140  
 catcatatga attggtgaca cgaaaagtaa acttgatgaa agaacgcatg tcttcaacat 64200  
 tacctatatac tatggttttt ggcatgttat taagcaaaat acgctgccaa aattctaggc 64260  
 aggatatttt taaatttgga aagagccgtt catgatattt aaacagcaaa aatgataagc 64320  
 aaccagaaag tgggttcttt ttctgtttga cttttttgaa aaaaggatta ttttgtgtgt 64380  
 ttttgtttgg cttattgaat ggtctatttt ttactcgaaa atctttcaaa cattgcatgg 64440  
 aaagcgaca gagtttagct tggatagagg ttttagcata tttacccgat ttaaacaat 64500  
 tgaaatcaat gtattgttcc atgtctacat ttgaagctat ttttacagtt ttcattttca 64560  
 aaaaaccttt tttaaatga ctgttgtaaa atgctccgta gagagattgg tattgttgca 64620  
 ttaaccattt agaaattaag tttccagtac aaggcctatc tacaacatag cccgtaccga 64680  
 ttattaaagc caagttctgt aaaacaatta gtataacttt gtaatacgtg aaaacaaaga 64740  
 atggagaaaa agccaaagac agaggtgtcg tatcaatgtt gaaagattgt agacagtttt 64800  
 cgatttggtc tctggatgtc tgcgtttttc tcatttctga aatacatttt gaaactgctt 64860  
 cctcaatgca ttgaattaaa tcattaatca tattcacaaa atcattttga cttttaaaat 64920  
 ttaaattgtc ttccccagtt attgcatcaa tcaaattatt tttcttaca taatcgtgaa 64980  
 tcattcctaa gaatttgaat ctatctaagg aagggtgtgt ttgagcttct ttcattggat 65040  
 ctttgccttc attaaactcc tttttcccaa aagaacctag aacatctaca tctgcataaa 65100  
 aacgagaaaa cattgtcata acaatagggt cttttttagt cgttttagaa atctgaggta 65160  
 atctgctgtt gattctgata aatgctgttc cgatacacga atggcaacac ttaccttcac 65220  
 aaaactcaca gagattagag gaacaattta cgatgtgggt atatatattca gaatttcac 65280  
 agttcgtgtt ataaatagac attctgttca aattccatat tatatgcgat aagatttgtg 65340  
 gacatgtcgc acatgcgtaa gctagatgaa aagcggaaaa tttatcttct ttacaagggtg 65400  
 aagaattaca ctttatcaat tttctggcat cgttataaaa atcttcgtta agagatgaca 65460

aggaattaca aaactggatt gaacgcagta atgtttcttg agtgatcgca gagttaaaag 65520  
 cttgttttgt gttagatata taggccaatt tgttactgta aagtatcgaa ttcgcagcaa 65580  
 agactaaagc agctacatgg ctagatagat ggagcctcaa ttttttcagt tccacgattt 65640  
 tctcttcgtg ggtttcagcc gatttgatga tgggccactc tgaaaaattc atgatttgat 65700  
 tattttcata aatagaatca agatactctg ctgtgtaact gaaggttagt tccgtgatta 65760  
 cagcgtccac taacattaaa tgatcttttt caatcgggtga tagtttttga ccaggaatac 65820  
 cgtgatatgt tttattcggg gcaagcttga cagtttggtc agtatcttgg ataaattggt 65880  
 tcagaccggc tttaatcaat tccagggtat tattaaatcg caaagtcatt ccccatgatg 65940  
 taaagattaa gtagaacaat acttcgctga tctgaggcgc ataaaagccg ttttcttgaa 66000  
 tgaattcagt gcaagtatcg atgcacaaag tttcttccga ttcaaacaag gtagccgaat 66060  
 ataacggaat ttttattgcc aagcattcac caacctggac ttgaatctgc tcttctacac 66120  
 atgggattaa taatccagca aataaaagtt ctttgaaacc attceccaaca actatatgac 66180  
 atagaacgtc atctgcattt ctccaacac ttccacagat ctttctata tccacaggct 66240  
 ttcgatttcc gttaacgaca aattcttgta gattgaattt ttctcttggt tgtttgcaca 66300  
 atttatcaag atttccatgg tcttctgctt cttttaaaaa aacatctgta ccgtggaaaa 66360  
 agaagcatac aggcataaac gatgtgattt tggtaatgac tgttcgcgcg taattaataa 66420  
 tgggtgtttt aacggttggg aagaagtcatt tttcaaccgt tagattaagt aacaagggtg 66480  
 agatcactac tgattttctt ttttccatta acgataatgt agtcagaatt tctattaatt 66540  
 tttgttcttt cggcagaatg tacagccatg ctgcggtaca tattggggcc gaaacaacag 66600  
 tttcattatc atcagccatt cttgaaacat gaagacccca gtttctgcaa ggggtgtttc 66660  
 tgctaaacct tatatatattt agttgacgta acaaaactta gcgtcatcat acaacggaaa 66720  
 ttaagttttc tcgttctact gttttagtgc ggagaactaa aaacgatata ctgactcgga 66780  
 tttgatagtt tatgcaaatt agcgtccacc tcaactgtaa tagtatttat tttcatggt 66840  
 ttttaaaata gaattgcagg caaggaggat caatgaaccc tcccacttcc gcaaagtaag 66900  
 caacgaccaa tcagaagttt gcattgcaag tatttaattt gttgcagcaa agcattagct 66960

agaggacagg cacagagatg ctacatattg ggaaattaat ccgaatcatc agaatcagtg 67020  
 tcattaatgt cggctctcaca agtttctaca tcttcataat ctaaattccag ttccatttca 67080  
 ttatcagagt tttcctctcc attgttttct ttaattttcg ctgatttcat agaagtatca 67140  
 ttttcaataa atacaaagcg agtttcatct tcctgtagag tcgtgtttgt ttcaaaatct 67200  
 atagaatcaa cttctttact ccagtctttt ttcagtctgt tttcgcgtag ctcatattgtt 67260  
 ttctgtcctt tattcgtttt atccgcagta agaagctttt tacatttggc ttgctttttg 67320  
 gtttgtaaat tcaattggac ggtttgctta gattgctgtg aagcaaagct gcaagacgga 67380  
 gttgtagaac atgcaacatt aaagctgttg tactcttcag gcatgttagg atgcagacca 67440  
 aactccacaa attctttggg aagataggta cagaaatata agcttggttt ccaaggtgac 67500  
 atcatgcgtt ggattctagt ttgacaaccg atgtcatcac attgatgatt gttaaattgg 67560  
 tctccgacta atctggaaat catgccacat tgatattgtt cacttacacg atcttggtca 67620  
 aaatcgcgta tgaactgagg ttgtttagtt tgaagaatac gttcctttat ttgacgtaaa 67680  
 atccttgcaa aagttactat aaatgataaa gcttgctgtg ctggatattg aaaagatcca 67740  
 ggagtctgtt gctgtacttc atattccgtg ttaggcatac cacggtcata taccggtttt 67800  
 ccacaaagtt gtctgaaaaat acggtattct atgtcaccat gtccattgtc attaaaaaca 67860  
 caacaaagtt ttgccatatt caacttggtg aagtattcaa acttcattat ggtaatagta 67920  
 tacataaaca gatcttgagg gtcaataggt aagttgtgca caaaatgata tttatagtaa 67980  
 atgcaagctt cctcaataat cgcaagagaa aatgctaacg atggagaatt cgtcaatgaa 68040  
 aaaactcggg ctccgagtat ctgttgatgt tgttctctat tgagggagtt taagcagttc 68100  
 ttatatcgta gtaacaagtc tgttgctatt agttcttctt tttccaaata gattttttca 68160  
 tgattccggg gaaatcgatc tcgaatccta tgagctggat ctcgtgcttc accggaatac 68220  
 ttgcgtaaac caagggttc cgcggtgtag ctagagccaa aagggtgctgt tggtaaattg 68280  
 gcgaaaaaag tcaatgcatg cgtctgtgca cgcttttctt cctgcttttc ttcaatgatg 68340  
 agtttcagct gttctagtgc tctgagactc aaagcgtcta attttgattc atcaagctgc 68400  
 ttaataggaa tgatgcgtct gtgaaattgt ttcgtaaagc ggctgacata cttgttagca 68460

ggtttatgaa caagagttcg tttaatggtt ttcaaaccat atcggtgccg ccctaataca 68520  
 ttcttttttaa ccccgcggtg atacatgttt ctgtcgaaaa tgagaacctt gttcataaac 68580  
 ggcccttttat attatttttg tctcgtgtag cggtgacgcc tctgtggttt ttaatataag 68640  
 gaacatttga catataaagc tagacacgaa ttaaggtgcg tctaaaattt tatttacaaa 68700  
 acacaaataa ataacataaa aatgtcacat attcaaagaa tctaaaacga cagatgaatg 68760  
 cacttgctta ctattagatt tacatttcgt agtaaaacat ttgctccata atattatcaa 68820  
 aatgcgattg ttatctacct taaattctaa gtacactaag acattttcac ggtttccctt 68880  
 atgattcctt gttaaacaac tgaaatcact tagttttccg ttttgcaatt ttttagttg 68940  
 tatatttttg tgatcaattt ttagaaaagt tacatgttga aattgtgtag ctgttcgtgc 69000  
 ttcacagtgt tggatgttct tttttaacat ttgtggccag gcaattgaac gagtaaaagt 69060  
 cattaacaaa tcatcacggg aaagacaact tgtttccgaa aaaccattga catgtaaata 69120  
 tttcaaacat aaagtctcca gtgaactttg ttttctgtga tacagttgct tagtcctaga 69180  
 atctataaaa gaaaactctg ttggacaggc cttatcaaaa atgctgtaga ttatctctgt 69240  
 aatggtttgg tcttttagttc catgatgtaa aatattattg agatctagtt gcatgctaac 69300  
 gaaatcttga aaattctttt tcattttttc cgggacaata aaaataggct tcagacgacc 69360  
 atacaaaaat ctgttattct cttcgtcaac tttatacatg aaacctaacc gtaaacaacg 69420  
 tcccgtatta tagattcctg tatcaaaaca ttcaccagga aaaattaccg agttaagaat 69480  
 ctgcattaaa tcgtggttta gacacattaa atgattgaat attttagaaa gttgttttaa 69540  
 tggetcactt ccaattattg cagtacctg agggttgga atagcaattc gaagaccaat 69600  
 tttttttttg caaacacaaa aagctgtttc aacttcattg taacatacat tgtggttcag 69660  
 gggattctcc ggattactac aggtagtttt gaaaaaaaaag atggggtagg cgtctttgtc 69720  
 aataaacgga aatatttttt gccatgcatt gatcagcaca ttccgcatca atttacacat 69780  
 agagaaaaat aacgattccg ttattatagc tgaatcctgt aatggcagat ctaaatacacc 69840  
 aatataattt gtaaccggaa ggtattcatt aaagatttca tgcttggtta cgtaaaactg 69900  
 tttttctatt tcgtcgctta aaaaggtcgt gtctgcaac caaaatgtac ttgttaaaga 69960

ttcatccgaa atgtactcat tgggtaaaaa ttgcataacc tggtcgaaac ccatatTTTT 70020  
 gtaccaactt tctgcacttc caaaacaata aagatttttg taagacattt gaactctaaa 70080  
 cataggaatg gggttgctga attgggtcatg tagatattgt ctccttgtaa caggtttacc 70140  
 atctatcaaaa atagatttat tagatgccaa aatttttaaa aatccttgta agcctaattt 70200  
 aattgggtgta aaataccctt caccgtgttt attgcatttg ttaaccatct ttgaaatttg 70260  
 gtctgaattt attacaagca tgatatttct attactgttt atgtcataaa cgtactgttg 70320  
 catttgaaat ttgttgttta acatcctttt tatttctaca taattttgaa aataactgtc 70380  
 ttcgttaaag tactgtttca tgattgaaat gagatccgag tgtaaagaat ttcctaggat 70440  
 gtacatatTTT tcctgacatt gagaagtatc agatctggta ggatcataag atgtcagttg 70500  
 actatacttg atgaatttat ttttttctaa tgctgtactg taagcaatgt agatatagtg 70560  
 gactcgaaaa ctgtttgtga gatgcacgct gtttctaaaa atatctattt gcttatcaag 70620  
 ataaagaaat tcttttcgat ctcttatgtt tttttgtttt gcatattcag aaaaactaac 70680  
 aaattttttc cgatagttag atttcaaagt aatattaatg aattcagaca tggaggaata 70740  
 agtaaatacc atatctccta atttatcagt gaaacactga acataattct tagttgttgc 70800  
 tatggtgctt ttctgctctt caaataaata ataatacatc gttaatagta gcattccttc 70860  
 tgtttgaccg tatgttgata aaaacaaaaa cggtgacgtg ggtaagagat acttatttgt 70920  
 tagatgttta atgattatag tcttgcaaaa aaagactaag cttttaaatt ctatatTTTT 70980  
 acttccttct ggaacatgag aaagtaaaaa atctttatac agattttctg tttcttccgt 71040  
 atttaaacag tgaataatat cctcagactt aatgggtaat gcatttttta cataatagct 71100  
 gaaattcaaa gattctgcgt cgcaaaaaa taccgtctca attcttttgg aaaacttgca 71160  
 tttctgtgtc tgcatacaaa aatatacatt ttttgatggg ttatatTTTaa cgattattgg 71220  
 aaaaattaaa tgttcactag ggttcttaca taagatatTTT actatcacgt gcgcgggggtc 71280  
 atattccgtt gcaaacacag taatagtcat tgtgaatgtc tttcagttta tcttccaaca 71340  
 gcttttaata taagacaata ggaatcatgg gaaattgctt tgtaaaaaaa atctcttctg 71400  
 acatcttcaa ctctaactac cagatgctct attctgagct ctcagagcaa gaggatttac 71460

tggatttttt agagacaaaa tatacagatt ttggaatttt aaaaaccgat attctcaact	71520
atgaaagaga ctccgaaaca ttcaaaactt tgttgcaagt gttacctatc tataaaaaaa	71580
caaagctgag gtataatttg attgaacgct gtttaaataa ttgtccccct cacgttaaag	71640
atgcattgat tattgaaatc atgaaagcta agaaaatttt agagactctg gatgttgtgt	71700
tcatgaaaat tatgattgga gaatttaca tttgcagtga caatgtgaat caattgctca	71760
ataaattttc aatagaccaa acaacattat gtgacatgga aaaaataaat actttaattg	71820
acttagacga agaaaatagc aagcgtcttt tgacagagat cgatcctttg ttacatcaag	71880
aaacaggcct gtatcaagcg ctgcctaatag cagttacgga tccaccaagc gaacagagag	71940
ccgcaactaa aaaatgttac gaaggattta ccaaataaaa ttttattccg tgctgtactg	72000
aaaccaaagc atcgatgttt tatctaacac tgcaagctga ttcaacactc gattaggtaa	72060
tagctttaaa ataaaatgac cgcattgtga aatgatgggt gcaatacaaa ttctgtcttg	72120
cacaaagatc ctctgagaag tgggattaaa aatctttaca cttggagttg tgttctttaa	72180
ccagatatta gtttcaacca ctaatccatg acagagaatt tctttgtttg ctattattaa	72240
agctttcaat tcatcaggac aatcaaacat gtaatcaaaa ttttggattg tgtaattatt	72300
ggattctaca tagaaatctt tattggtaat tagtgaaaac ttgataaaat ttggagaagg	72360
aaaattataa gtttcccagg gttccggtat atagcatgga aggatgttaa tcaactaattc	72420
tatatcacca ggtaacaaca ttactgattc acttgacagg tttattaaag aaatggagat	72480
aacgttttct gttgtgatga gttctgttac acattcgcag agagtgtcgt taactgttcc	72540
agtcaaaatc ccaaaaagtc cgtcgggaat gtttaatgac acgttttaat taaaaatgcg	72600
tacttgttca caaggcacc atataagttc tctattttac agtacaattt tatttgtatt	72660
tagaattaca tccatccgac ttttctcaaa atgattttatt aaaattggaa gttcgtttac	72720
tcgaggaaca ttttcaaaac caaatctgct agatctgttt cttggaaagg tgagatatatt	72780
cttttcattg tccatatgtt ctgcaaagaa ctcatcgtaa attttttcac aggatttgaa	72840
taaaccgttt tgaggaattc caagtaaaga aaatggtcgt tgataaaccg tcaattcagt	72900
gttcacatat tcatttaatt gctttgcac gatttttaggc catgtaagag agctctcttt	72960

tgtttcgcta aagttccaga tatcatccac atccgttaca gtaaacagga aaaagtgcaa 73020  
 gtatctggac ataggcaatt tgtaagtgt aattgtttca gagatttttt cagaaattat 73080  
 tttcttgttt gtttcagatc ttctggaggg tagactttgc attttcgttg aagccttcgg 73140  
 atgattagga aaaatgactc tatacaagat tgtttccaag ccaattatat tgctggcatt 73200  
 tttttttacc cgagttgitt tcacaaatga agtcgacggg gaggagctgt tttataagcc 73260  
 tacttgatcat tcagatacat atgaaattat tttaaaaaaa tttcttcta tttgatatt 73320  
 ggtcaacaca tttattttat tatgttcatt ttcattattt ttaaagtatt ggtgttttaa 73380  
 gactctcgcc aaagaaactg taaaagggtg ttaaattctat atgaagaatg tatgaaaatg 73440  
 ccctcagaac tgttttaatg tatttttctc catgcatatt tgaacataaa tattctaagc 73500  
 caaatatttt tctcgtgatt agtctgcgtt acttctgtca ccacactcat atttttcatg 73560  
 gtatttgta gaatatctgt ggcttttgct ttccatcacc acgtcatgct gtatgttgaa 73620  
 gttgaacaat ggtgtgtctg tggttgaatt tgttacgaac gcttaataga aattattgta 73680  
 catttttcta ttagtatgag tgctatgaaa atttcctaca aaagttctgt tttgagtgtt 73740  
 aattaaagt gcatgaaaa gaatggcggg tgtactgtaa tttctcaaat caaagtttta 73800  
 aagtatgctt tgtcacggag atactctaca ctacgaagt ataagtcggt gttttgctga 73860  
 tttatgtgct tgtgttacta tggtttgctg tgaaaaaggt cgtaggaaat gatgaagtct 73920  
 gttgtgaagc ttgcatgctt gaggtgcctc gagtagatgg aaaaaatttt gttggttcgg 73980  
 aagtaacagc gttcggaatt gctgtaggct tagtaacttt ggtcttattt tctaagaaca 74040  
 tcaagttccc cttaaaactt tgtattgggtg acatgattcc cttaccaag gagaagttgg 74100  
 taacacaaa tgggtgtgac acattccgag tgttcacaga attatagaaa aattttgaaa 74160  
 tagaattctt gcaatctgtt cgattgtaaa caaagtagta aataaaattc gtaaaagaaa 74220  
 aaagttgctc agaattttcg cgtgaaaata attgagcttc agtatggttt tggagatctt 74280  
 ggaaaatggt ttcaatcttg ttttggttaa agttaatttt aaacaaatgt gaagcaagta 74340  
 cttcaaacgg tattttattg acacaagagt catccatcgt tttgaatgct agtgtagcaa 74400  
 aaactaaata caaaaaggaa atattatcta agtaaacgtg acgttttctg tttgttttag 74460

tgggaaattc	aaaatgtaat	gtccatcgcg	gaaaattatc	tagatagagc	atatttattt	74520
tagaaaggca	aatattcttt	ttctgggata	gacggaatga	ccaaaataaa	atctgtttaa	74580
aacagttctt	agagatgggt	atgtcgcaac	tctgaatata	tgttttttca	aaagactcat	74640
aatgaaattt	tgcgaatttc	ggccacatgg	aaaaattcgt	taaatttaca	aacgagattt	74700
tttcagagca	aacacttaat	acaggagtcc	atatgatcag	ataactataa	aaaagaaaag	74760
aatcaacgt	gaacactagc	attgaataca	ttttgttttt	cataaatgtg	aattatttag	74820
gaactgtaaa	tatcctaaaa	tagttattca	tttttttaac	caggatcatg	attgcaaaat	74880
gtaccttggt	ttggacagta	tttgttcacg	cgctaatacat	tttaatgata	cttttattaa	74940
ttcttcgttc	tctaattgga	tttaacaacg	atctttggtc	gcaatcacia	ctagctttta	75000
cttgtctgaa	taaaagttaa	tctcatgttc	cagcataata	tcaaaacaat	ctaaatacat	75060
gataaatacc	aaacaaaact	ataattatga	taattaaata	cagaagaact	aacatgattg	75120
aaacttgact	tgattttaga	tctaattgag	taatttcgaa	aacagagcca	tttcttaaaa	75180
acaataaata	atgtgttcgt	ggattcacat	cgataaaatt	tgtgtccgga	tctattaatt	75240
ttaatagttg	cttgtcatcc	attatgtata	caaattggat	aattccgtct	atgtcgtcat	75300
attccacaac	caagctttca	caaaacacac	aatcgtggga	tgaaatatta	tagattgggt	75360
ttatattttt	caccgaatat	ttataattag	taggtgtgca	ggtagagttt	aagggaacaa	75420
cagtgataat	aattgtagtg	cttatgacag	tactcgtgac	actgaaacta	gtaccggcta	75480
aaatatattt	tgaagagatg	gtgtaagtaa	tatttggtaa	tgtgaggaag	gcagcttggt	75540
catttgaaac	acaggaaatg	cttttaacaa	tatctaattc	cttttttcta	tatacagaaa	75600
gtgtgttcat	caccttggtt	gtgtatgcgt	ctaggttttt	ataggataaa	atgttggtga	75660
caactctttg	agttaaattc	ttgcgcgtgg	ctgttgcaca	aggagaaaac	atcgtttcaa	75720
tgtccatgac	attatcaagc	atatgtgtcc	aaaaatacat	ttccaaagga	ttgcacagac	75780
ttgcgagcaa	aacatgaatc	tttcgcttga	tcttttcttg	gaagactaga	ctgtttccaa	75840
tttctgagag	taaaaacaaa	tttgcacgtt	ccggttgggt	taaatttgta	aacaatttat	75900
gtttttcata	taatgtttca	atattgtttt	ctatttcttt	ccatttggtt	tgtggaactg	75960

taacgattct tccatctgct aaagataaaa atgctagctt agcagagata ggaattgtca	76020
gatcagatgt aatataagaa taatctacta actggaaatt ctgaagtttt tccatctcag	76080
gatataataa atgactctta gtcattttga agcacttttc taaaaaccta cccatcgtaa	76140
tgatgctttg gtgagtatta aggattttcca acagagggag gagtccatct cctcgagtac	76200
tatatagaaa atgagtttaag ccgaataaaa acattaaatg gaatgtgtct ttgttaactg	76260
gttttccgca aaatccctcc atgatataaa cagttgctaa cttattgaat ttggctatta	76320
aaaacgagat gtcataatth tgttttccaaa tatcatccag aaagtctatt ttgagaaacg	76380
gataaaatct ttcaattgtt gttttttttg taattaacag gagatcgtct gagacagtct	76440
gtctatatat gaatgaactt tttcgaaaag gtgctttaaa aaaaatacga ctaacatttc	76500
caaagataaa aacgacatca tccattcctg tttccactga aattataaaa aacgatgggtg	76560
tcaaagctag catgaacaca gtatttaagt aattataatg tctcataaca catctttctg	76620
ttattgggaa tagataatca gtcaagccat ttgaaagtgt gcaaagtat tggttgtaat	76680
agagtttgcg aattttccgaa acatttgcaa agtagacatc cttttcataa aataaaggta	76740
ataaagacac tgtaatcggt tttgtatgcg aaacagggtt gatatttgct tgaaattttt	76800
gtgcatagat tttcacagct ttctctgttg atgggttaaa aaaacgtgta atccgatgtt	76860
tatattgatc aaatgattca tcgaaattca cagaatcaaa taaattcgag acaaaagtat	76920
atccgaataa gcatttgga atctgataaa cccgagtttc gttataatca tggaaattaa	76980
acgttattaa accaggttga ataatagttt gatttgtttt ttcatttacg caaattgaag	77040
aattgagtat attccagtgt ttccatccat ttattgacac gatgagaagt agactattta	77100
tgtaaaaata cattttctcc aatttagagc ctggaagata aacgggaagt ttgttgtagg	77160
ctacgcctta actttacata ttaaatacat aacgggatag gaatcataga gatattttgg	77220
gtaatatgtc tttagaatac ttgccccctg ttagaagacg tattgggtcaa tataatcatt	77280
tgagaatcta caaaaaaatt ctgttggtta aatccaattt tgaaaaatta aatttttttt	77340
tgggcaatct ttttccagaa gaactgcatg attcaaaaat acatgtatat ttggaagtta	77400
gattagggtg ccgtattccg gattgcatta ttgttttttag gcattttggt gagaaattat	77460

taaaaacttt ccattgttat ttttttgaat tcaaaactac ttttgccaaa tcaaactctgt	77520
tttcaattca aaaaaatagg acacaaaaaa ttcaatattt acagggacta aggcaactac	77580
gacaagcaac agattatcta cagcaatttg tcatcaaaaa tgaaagctta tgtaaggtaa	77640
accctgtaat ctgctttttt agacagcatg gtttaaaatt ggactttgtg aaaactttca	77700
tagctaaaga attgcaactg tcttccacgt ttctttgcaa cttttttacg aaatatcaaa	77760
atgacacagt taagtctatt ttatcaattt ccaatccaac caattttcga agggcatgtc	77820
agaaatactc taatttgtac cgaggaagat atgcaacaac tccaaaactt gggaattcga	77880
aaacttcgaa aagaaaaaga agaaattcaa aaaaacaaga ttttaaaaaa cttgttaaaa	77940
actgaacttg atgttttgca agcacatgta cagacagaat gccagaaatt aaatacaaat	78000
ttaagagaca ttgaaaatgc attgctttta gaaaatcaaa aaataattcc ttctagttaa	78060
acacgttctg tcttgaaga gtctctccag gctaaaactg tcacgcaagt cacaattaca	78120
caaattgatc ctgctattca tttcacggaa aatttccgac ctgagatgat aaaaactttt	78180
tataataata ctcatatgtg gagctatacg tttggagctt ggttttacaa attaaagcga	78240
gctttcttta ccgattctaa attaaaaaga atgctaaagt taacatatgt tgattctctc	78300
tctattacac aggaattgct gtctatttca attaatgcat tggaacaaat tactatttat	78360
cctatgcatg ataatttagt gtccgattta gaagctggtt tgtgtctact gactgctttt	78420
tttgcatcgt atcctggaac tttcttaacc gaaaatatta aattcgtgga tgtcattcaa	78480
aatttgtctc aaatttttag atatctaaac accgaaattt tagctacgaa aaacgcgtca	78540
ccacaggatt tttattttgg attcaatgat ccagacaaaa tgaaatattt tattccgttg	78600
tgtaaaggga ggcattatgc aataaataca ttcagtaatc atatcttaat taaaattttt	78660
ataaaaaaag gtgtgataaa gcaagttccc ggagatcaaa tgtcgaaagg acatgttgta	78720
atagaatcga agttgacagg cacgttaaca gatgataaat tattatattg gactcaaatt	78780
ttattgcaac cgaaattggg aaaagaggtg ccgatatttg tccatcagca gcagtatttg	78840
cgttctggaa ttgttgccat agaatcctta tatttacttt ggcaaatttt aaactcagaa	78900
agcatttttg gaaagagaac tgggaaattt tatctaacga caattttccc ccatgtaaat	78960

gcagaagatg ttacagaaac agaattttct tctgtcaata tccagaattt tgagitttctc 79020

atgaaaaact atgtcgtccc cacatattha gccataatg aaagtactat ttccacttta 79080

tttccggggt taatcagcat tgtagttaac gaaagtgttc gtttaggctg ggatcataat 79140

caaaataactt tgacacaaac taatgctttg catagccaaa caaaagacaa tccgtttgtt 79200

gaatatatcc gttcacaatt agaagaaacg gcagaacttg cggtagctga gaaacatgat 79260

aaaattcttt ttcatthtga aaatggcttg aatgtgacac tctctttagc acttccacga 79320

cataggttgt tcgctatggc atcctcatta tttaatgtgg ctgatttgta tgatttcttg 79380

tatthtttgg tattaggttt tattccagta gcaactgtta tttgaagacc aggtgacgtc 79440

tagacatttg ttttgatat aaatacgcgt ggaagtgtta aggagcttca ttttaaaaaa 79500

gacacctttc ttaagctttt gtaaacaatga aaaatatcga ttaacaaat tggaaattac 79560

tggcagaaat atatgaatat ctgtthtttt tctcgtthtt ctttctttgt ctgctggtaa 79620

taatagtggg gaaatttaat aacagcaccg ttggctgaga atacacattt agtactthtt 79680

ctggaatgtt ggtttatatt ttattgttac cggthtaaat gggaatgtta accaaaatgt 79740

gggatgtatc caccgattac tgtataatct taatgtttct gagtgatttt tcatttatct 79800

tttctctctg ggcgttaacg ctgttgacac tggaacgtat caacaatttt tctthttctg 79860

agattaaggt aaacgaaact aaaattctaa aacaaatgtc tttcccaatt atctgggtta 79920

cttccatctt tcaagctgta caaatttcaa tgaaatataa gaaatcgcaa atgaatttag 79980

aagatgatta ctgtttattg gctattgaac gctctgcaga agaagcctgg atcttattaa 80040

tgtataccgt tgtcatccca actttcattg tttthttcta cgtgttaaat aagcgatttc 80100

tctthttaga aagagacctg aactcaattg ttacacattt aagcttgtht ttattthttg 80160

gtgctttatg cttthttcct gcttcgggtc ttaacgaatt caactgcaat cgattgttht 80220

acggctctga tgaattgctc attgtttgtt tagagctaaa aattthttat gttccacta 80280

tgacatatat aataagctgt gagaattata ggctagctgc caaagcttht ttttgtaaat 80340

gtthtaaac ttgtthcttg atgccttcgt taagaaaatt gcaacaacct acaaatctta 80400

cacagthtta aaattgtaga ggtccaatag aaaacaaatc tgataaatta cactctgtta 80460

cttttgcttc tttctccact atgccacaaa aaactttgaa atcattctga ataaaagtaa 80520  
ataatccatt cctgtgttct ggtttctgtt gactaaaagc accgtgagaa attttgatct 80580  
tgtcaaaaaa aattaaataa ccaaaccaca gatgcttaca aatttttcgg ataaaaggtt 80640  
catatacttc ttgccccag aacttggtga aatagcgaca taattttaat aaacggtgat 80700  
thtagatggc accaatagaa aacattatat tcccatcgtg aataatttca gctggaattg 80760  
taattgaaag accaaattca tccaaaaaga aactttctat gatttgttta acaattccag 80820  
tatgatgtaa ttttttcgag agctgagctg ctttttcttc actgaagata tgtttaagga 80880  
tttctgatcc agatctttgt ttaatcatgc aaaagatctt aaacaaaaat tcatcaggta 80940  
cctttcgatt cagaaccact aaatcactca ctccgatatt gtgcaaagtc tctctcaaca 81000  
gtaagatttg gatgccgtga gaaaacatta gggtagacac attctggatg atcaaaatct 81060  
cttcttgttt tagattaagt aaagattcac cgcttaccaa tttcttagtg atatgtaata 81120  
ttaaattgga ggttgagttg ttcgagatta tgtattgacc tacttggtgc atcgtaataa 81180  
tggaactgt gctagtggca ggcttcctat gtgtgtatga tgataatgat ataatgata 81240  
acttttatct gccaaaggagg acgatacaag aagaaatcaa ttccggaaat ggtttgaata 81300  
ttccattgaa tataaaccac aatgaaaatg ccgttatagg cacagtctct tctttaagtg 81360  
atttacagca cggtttgttc acggttgccc gtgttcaatc aaaggaattc cttacaataa 81420  
ttaagaaaat agctgtaaaa tctaagctga taaccaacac ggaagaaaaa actctgccac 81480  
cagatcccga aatagagtgt ttaaattcaa tttcccagg tttgtcatta tcgaacaggg 81540  
ttggtggcaa tgaacgtgat ccgtttttta aacatgtctc tatctgtggc gttggtcgtc 81600  
gacctggaac aatagctatt tttggacgaa atttaaattg gattctggat agattttctt 81660  
ctattacaga agcggaaaaa gaaaagattc tgagcacaga tcaaagctgt gttcagtttt 81720  
ttgccgagga acaatttaaa gtggatttat atgatctgct agcggatagt ttagacactt 81780  
cgtacataaa agtacgtttt ccaaaattac agtctgataa gcaacttagt ggaatttcaa 81840  
aatctactta tattaaagcg agtgaaaatt taacggctaa caaccatact attaacgtga 81900  
attcaaaagt cacaaggag acagaagcaa cagacagcgt ttcacaagat gattgcgcag 81960

tccatgcacc agatttgata agtacgattt gctcgacaac gcacacaacg catcacgacc 82020  
tagtcagaat gaatggctca gctactggca actcagctag tcttcccgct cctcagtttt 82080  
ccgaatgtgt tttttaccg aaagatacat tttgctcctt actgaatgct acagctgggg 82140  
cccaaataa aaacgtaacg ccagctgctc cgatatitaa aactgatgaa tatataactc 82200  
cgtacccaga atctctgagc agaatggatt atggaaatag aatgaattat cacataccac 82260  
ctccatattg gtatccctct atgcctggat ttaattataa atcttatcgt ggttcccaaa 82320  
aacggtgctc tccaacagat tcggatgatg aaatgagctt tccaggagat cctgactata 82380  
cgacaaagaa aaagaagcgg tatagagaag atgacgatcg tgaactcact aaagacaaaa 82440  
atgatattaa agaactagtt gatgcaatag ggatgctgctg tcatgaaatt tcagcgctaa 82500  
agtatattcg gtctcagtct cctcagagac agcattgtac agcggtagat acaatgcaa 82560  
cgattgaaga aaaaaacgtg gcataccta aaccatcggg tgtaaagcc tcgctaactc 82620  
caggtcaaga caggaatcaa aatttgatgc aaagtgatca atctttattg agtttgaaca 82680  
aaaaattggt tgtagaagct ttgaataaaa tggacaattg aatacaaatt atgcgttaat 82740  
gtctctgtct gttccactg ggacaaggaa ccgtttgcag cccaatgttg ctttctaaaa 82800  
cagttaatgt gtgtggtaag gcagtgattg gtagaaatgt gcgaagggtg tctgtttctca 82860  
tgcgatatct gactggtaca aggtgttctt tagctatgtt taaatgaaga gaatttagat 82920  
taatagatac gttagttgca gctgtgatat ttggtactgt agatagtaca ggactatcag 82980  
cgacagggtg tgtttccgat ctaaagacac ttatttgatt attttgattg gaaatcaaaa 83040  
ttctgcttgt ctctgtccag ccaaaatcta tatttgattg atcgtgtgtt actatttgac 83100  
tgggtaggaa aataagtttt ccagttcct gagaataatc aatacggcag tttttttgt 83160  
aggctctcat ggttacttga agatgagttc tctctttcca agtgaaagtg tttaatgaaa 83220  
tcccgtttat taatctcgga ataaaaagtc ctgcaaattt ctgtttagaa tcaaaaaatg 83280  
ttggaaatgt acatgagaag gggtcagtgg tattcgaatt aatgtttttt gtagaaccta 83340  
cggttatgca tgtgccatcg tacgtcatta caggttcttg atttctttcc atcacaatgt 83400  
gaggaatggg ttggataaaa ttacttgga aaaagatgtc gctaggaaaa ttatcaggat 83460

ttaaaagata attgttttca taagatgctc ttataacaag gatttttttca tgcagcatta 83520  
 ttgtcttaaa ataaacattt ctgctggata taaattccac ttttgcactg ttaaaaattt 83580  
 gatctggtgg agttgtttgt aaatctatcc aaaattcaca cgcgtagatg taatgcgttg 83640  
 gttcttcgtg ttgtaattct gtccagcgta ttctcttaat atgggctctt aatttagttt 83700  
 gagatccata aagaataaat tgagcacggc actctccatg tggaatgtaa ttgtgctcca 83760  
 tgcgctcaac tatttggaca ggaagtata ccaaattaat gctaggaaga aaaaaggcaa 83820  
 aaagattaat aattaaagga aattgtttta aatctaaatc tacatcagat atattttgaa 83880  
 cagccaaggt tacattgcca caatctctta gatcgatata cgtaaagtag gctgctgtaa 83940  
 agcttccttc atctctgcac atacacacaa atgttgattg ttgcgaaagt atgcttagcc 84000  
 ctgtccttaa gcatcttatt tcacgaggtt ttaaaaggat tgggtgctgtc aattttagtt 84060  
 gtagaaaata tgaagaccag accacataac aggattccat tcttacttta aatcttttat 84120  
 tgttgtaaaa tacttaataa gttgatatta caattgcata cgtttgaagc ggggtgttat 84180  
 gttcatagag ttatgtctaa tgttttctgt ctcttgattt tgttcgtagg gaaagtctgt 84240  
 catgggatga actgtcaaaa ttgggagaga gtctgaaaaa aaatcgttcc ctaaaaagtt 84300  
 aattcgaaat gaattgaaag cggttcaac ttttgatttg caatctgcgt gtgctgtagg 84360  
 atggaaaagaa tgtggaaatt gttctctact gataaagtag acatgaccaa ttatatcatg 84420  
 ctccgttaca aatgtctcat ttcggcagta cacgtaaatt ctaaaagtct cagcggttg 84480  
 ccaaatgaaa ggaaatgaga gtacattaga tttctttgga atgaatagcc ctacagcagc 84540  
 aggattctca aaggttcctc gtaaattgat ttgtgtgatg tgattaggtg tcagtgtcat 84600  
 tctttcaggg aaataaattt ccattgtttt gaattcttca gaaatattga aatacggcat 84660  
 gcaaatgtta agtgcaactg attgcatatt tggtttagaa aatcttaagc gtaaagaaca 84720  
 ctcatccaca cagaaacgtg aattcattac ttttaagatac cgtagaaaga caaataacac 84780  
 cggtagatga tattcaatct tgtacaccga aacatttgtt tctgatatca tttccacgtt 84840  
 gcagattggc gttgcgctcg cgaaaaaac attccaatat ttgcagtatg ttgtattgaa 84900  
 ggtgaagatg cagtacatgg tttccagtct ttgatcattg gagtttttca gtaaagggtg 84960

aaattcattc ttttcccaag taatttttagt tactgtggca tttacgatca gatcaccatt 85020  
tttcacagaa tataaaatta taggagtgtg tcctaaaccc tttcaagat aggcaaattg 85080  
atgaaatcta agaggatcca tattttcttt aaagtaacaa ttatcttgta tcagcaggga 85140  
tgacgtaatg ttaaaaattg gcagggcaaa aatattgaca aagtttatcg attgtatcat 85200  
aggaaaaaca ttaattttga tcactttttt gttttttaga acgtgacca ccaaagttac 85260  
gcattctgca ttgttttcag ttccatcggt aattagcaac agtacaggtc tttcgtgcga 85320  
aagtatgcag gtaatctctg cgggagaaaa attgagttct ggctgcaaatt cattaaaatc 85380  
cacagtaaac tgaattaatt gcgataattc agagactggt gttgaattca tttttacaaa 85440  
gaaaactaga atatacaaat gattcttaatt tgttttcaca cgttttatag aatctagcaa 85500  
gcttctaagg ctttttaaaa ccgcaatcta ctttttgaag gggcgtgggt atttatattt 85560  
gatccagatt gcaatttttt tttacgagcg ctccaacctt ttcttaagat taaatctggc 85620  
aaatcagaga taaaaatttt gtctgctaaa aagtacagtg cgtcagattc tggatcttct 85680  
gagttaagct caatttcagc agcaaaaacta tccgtatagt tgggatcaaa tttagttcgt 85740  
aaaatatgcg ttgggataaa ataaatgctg cctattatgt catttgtagt cactctctgc 85800  
gatctatcac tagtcacttt tgtggtaaaa cttgtagtgg gagaccagaa agaagcaata 85860  
gactgcactt tggaatttgg gtctggaacg tagagagcat tagcattaaa attataaaaa 85920  
gtgcctttaa aatgaagttt tttagtttcg ccctcatcga aaagcatcgt gtcttggaag 85980  
aaaacgtcaa tttttctttt atcgctacag attttaaagt aatgcatatg cacagttaga 86040  
gaaatttcgt ttgggattat ttcgttgaca aaaccaagtt taagcatgca atcgtttgga 86100  
accatatacg tgttatTTTT agttacctct gtataacatc gaagatagat ttcgagtaga 86160  
ggaggagaaa agatcatttt aagtacggaa actgttgggt ctgaaataga aaacactttg 86220  
cacgttgga aatctgaacc actccgaaca tcgtgaaacc aaaaaggtaa attgtttatg 86280  
ttaacagagc agactgtaca tagagttgtt aatggatggc caggtgttct ttcaatcgaa 86340  
cgttgataag tacttagttt ccattcaatg ttaaacaatc tgacggttat ttcgtttact 86400  
ttatgtgggg tttgcgtcac tatgaccttt tcgtttttga atcttatcag actaggaaaa 86460

actcccatct gctcttgttc tttaacatca tggtttggga tgatgacgat agagctgtta 86520  
 atttttaaca acggaaatcc aaaaaacaag actttt gatg gataaatgtg tctattcaga 86580  
 ttttttaaat gtagtttttag ttgttgttct tccattaaag gacgagcaga aaaaaaggag 86640  
 tcagaattcc ttgaatttat ttcagcgctc aaaagtaaaa ctggttcagt ttttgattgg 86700  
 acatactcgt caaataataa tgtaacatta tctttaccct ggaattcttc tttgtatgga 86760  
 atttcaatct gaacatat ttaagatatca gaagttgcga gagacatgga gctgaaataa 86820  
 aatctgttac aacagacact atttcaaaga actttttatt cactctttaa atatacaagt 86880  
 tgccagccta ttgtcagcag aaacatcagc cacaatgaaa aacgtttttt cttgtgtaag 86940  
 ggaattgatt tgggttaatca tggtgaaaac cgttttaatt ttctgtaatt ctgttttaatt 87000  
 ttcagtggcc ttgaaagaac taggttcttg agaaaaattt ttttttgcta ggagttcttg 87060  
 acatttaatc aataacatag actgatcttc taaagataat ctttctatat atgtttgaac 87120  
 tatatcagga gccatggtgg caatcataga aaaagaaatg catgctgttt tcatggaaaa 87180  
 cgtggactta caatcattga taacatctgg taacttaatt gttacatctc tgtactgcaa 87240  
 agtgcgcagc tcatctataa ttatttgaac ttcttcatat tttctatgta tggaaaggag 87300  
 gctgatgcaa agcattcgca cgtttat ttc cgttgcgacg tctgtaggga tcagtaatgg 87360  
 cagaatcagc tcccagttag gtaagacaag taattgttgc gaaggcttca gaaatggtgg 87420  
 cagtaaaactc aattgatctc cttttccag aggaaatggt ccggtatttt tgatttcata 87480  
 ctggtgtcca atttttggac gtattaatat taattggttt ctttctactt tttgtaagat 87540  
 tgtaaacacc attgttttta agatatccct tatttgaata taatcggtgg ttgtagataa 87600  
 gaccgtgtaa agtcctaaat ttgtgttgcc aattaaatga cgggtgcgacg gtattgggat 87660  
 gacggcatta gtgagtttgc ataaagt tcc aatgtcagaa agagtaagct tttgatcaaa 87720  
 agtacagtag attgaatcca tttctatagc agggactcaa taatattttg taacggaata 87780  
 cactccccta tagcgaaatt tgcaaaatgc gtttactta actgtgtcat tccgttctta 87840  
 gatcgactct ctaatagagc ttggttagag gagcaatgga ttggaaacgc aatttgtaaa 87900  
 aactgacaag gacgatgagt gacatcgtct gttccttcgg aacaagaata ctgaatatca 87960

gtgtcgtgt ccaggcatgt tttagttttt atggaataat cactgataag tttaaacata 88020  
 aacttatttg tcttaaatat ttcagtgtct gtgaaaaaga ctgcgttagg actgtaactt 88080  
 tttggattat atcctaattg atctctgtga tttatattat ataagacatc agataaagat 88140  
 ccttcttgag atgccaagg atttgttgtt gccacaaaag cgtcgtatc aactcgagaa 88200  
 tgatcataca aagattttct agcttctgac tcattatggg gatcgacacc catcatcac 88260  
 gaagcccttc ctctaggatt tttagggtgtt ttatagaaat taatatcgga agtcactgga 88320  
 gtaatgacaa cctcgcagat tgcttggttg ccatgtaaaa gtattgattg tgattgctta 88380  
 tttatcttac cgaaagaaag gatgtttaaa gcatcggttt cggaaggatt gggtttttca 88440  
 atgccaacgt gatgcctaac ccaactatct acagtagggt tgggtgtatgc gtgcattgga 88500  
 aagaccgaaa atagatcttg cactttactt cccatatcag tttttaccct tttcaaattt 88560  
 gcgattgcag tgctggaact aaatcctaata cccatatcaa gaaaacttat atgctgcgta 88620  
 aggttatatg tgggtgagat gtcttttact tctgtagata ccgttgggtc atcaatcatt 88680  
 atggatgttg cagatttga gctatacagt aagcaattaa tgtcgaaaca atctgttctt 88740  
 actaaagtcg cagcgaaacc aggatgaatt ttttgtctgc tttgaagaat gatagctatt 88800  
 ggagacaatt tgcaatgcat agtagctaaa gtcatgatac ttagcaatga atttgaacaa 88860  
 caagaagcat agacaaagaa cgggtgttctt tgccaattat ggaattcatg agataatgct 88920  
 tgtggtagag gaaaaccacc gtcatttctt tgatagtggg gaaatatgtt tagatagggt 88980  
 tgtacttcaa tattcattaa gccacaaata atagggtctg agaaaaaacg attaaaagga 89040  
 attggcttga aataccgttt caacacatta attgggtgata ctaaacacag tccattatat 89100  
 aaaacatgtt gtagagattt gaagtttgaa gaactaccat gtctttgaga aggatctaaa 89160  
 gaagattcaa tttccaaaat ttttgtattc tccgttaggt ataatataga tttaaagagt 89220  
 tgtttaccaa tgcaagataa atctgtgagt gcatgtgagg gaccaacagc ttcagttatc 89280  
 aattcaatca atacattgtt cgtaatcggg aattcgcaaa agttgtcatc aggtaatat 89340  
 aagggttctg tgtagaagaa atctagaatg aaagatttca catcaaaacc tgcaccacac 89400  
 atcttggtat ttgtcagtgc tggtagaaag cagaaataaa aaattttgct taaaacaatc 89460

gtttcaaaag atgggtctatc tacgtctgtg aatatttctg ttgaatccaa taaattcatt 89520  
ctattcaggt cagatacttc atagtttctt aatttactg tattttgggt aaggggagtg 89580  
ttaccagctg tgattattgc atttgcttca ttttttgga gactgttttag aaatggaggg 89640  
aatagacgat tatcaaaca agcgttcaca aatccaacca atggttcccc acacagttgc 89700  
tcattaaagt ttgaaataga aattgtcctt ttcactaatt ttaagattga aattatattt 89760  
ttgtaatgtg tataagcaat tcctggaatt gactcatctc caagataggt tgtaattaac 89820  
caaatcattt caaaattatt gcaaaacaat aatatgtgct ttatattata ccaatacgt 89880  
atacattggc tgacaacgtc tttaagaatc tgaaacgctg tcttattacc atggatgaga 89940  
agttctatga tatatgctag ttcgggataa gctgtgtag ttaaactttc aacgacgagt 90000  
ttcagggtgt agtcataatt taaattattt gtcttggtt gttcgatcat ttgattggtc 90060  
ctagcttcat gaaaagatga aggtgctaac ggcagaggta tattgcctaa caaaattctt 90120  
ggtgaacaca aaacatcagt tgatctgttt ttttgaatat aggtgaaatc aaaaaatgga 90180  
tgtagctctg tctttaaagt aaaattttca gatttataga aatcttctgt ggtaagttca 90240  
tttttaagca tattcgctgt cttaggtatt tcttttttca tttcatataa gttgtataaa 90300  
tttgataaaa aggtgcttgg aggttctcta acaaattcaa cctgacacag ttggttaaaa 90360  
gattcccccg taggttttgc agcattttta aaaattcgct ctgagacact acaatcaaaa 90420  
ataattggat ggcacaatga tggcaataga tcactatagt ctattctctg caaaagctta 90480  
tccttattat agaaatagat agatgtgggt agattgtttt ccattgtatc atttagttta 90540  
agcctgctat ccatagtgtc aaaaccacta tccttcgaaa tgtataagcc cattgggaaa 90600  
aaaaacgtca attccaattt ttgttccaaa ggatcctcaa tgtagtggt tttatacact 90660  
ttctttaaat gatctaagac aactgtttta tcactcagtt gaataatgtt tgtctttaga 90720  
tcagcatggt gagtttggt ttcaaagatt tcagattttt tgttttggtc ttgtgtttca 90780  
gtcgcaacgt ttttggata atttgaaaaa tccgccataa tagcctggta tgctattgca 90840  
gtaacagcat tttctttccc cataacaaat gtgccataag aaacaggtac agacattgtc 90900  
atttgtgaaa tgtgttgca tagggcattg gacaaaatct gaatcgtatt aggagttccg 90960

agtaaaacgc cgtaaatagg tgttccatct tttaaaacat agctattggt gttatttaaa 91020  
 atgctttcag tggttgaatc aaccatttca cacagatatac tgtatataaa gcttacatta 91080  
 gaagttctgt tcaaaaaaaaa taaggaattg atgagtttgt ttttaaagtt ttgaaacata 91140  
 ttgcttcgct gtactttaga aagaatctgt ttactgttga ctttgttttc taacatgggtt 91200  
 ttcaggataa actgtggcgg tgccttctta agaatagttt taatgaaagc atatattaac 91260  
 cctcgttgta acgaatcagc agaattcttc agcgatcgta acaccgatg aatcgcatg 91320  
 atgttgagca tttgatctaa aattgtgttt ttaaagggtg tttctaaatg cgctaaacaa 91380  
 gcagcactta attcaaacga tatattgata ggatgctttt ctgaatactt ggtaaccagt 91440  
 acggttggtt ctttaggcgc agttacgtcg tttcctgtag cgactctagg taattgtata 91500  
 taaaacagaa tttttccag tgacattttg tctaggtcgt tgaaacggat aacatttgca 91560  
 gcaaccgcta tggacgatg aaaaaaatct atccattcag tccgattaca gtaaatecca 91620  
 agtaatgctt cgaaacttat gttataacga tcagagtcgt caccgtaata caatcttaag 91680  
 tttcaaaaaa gttgttcagc agtttgtgtt ctgatatcat caaacacgtt tggagaaaca 91740  
 tctagttttg ggaaaatttc agctgtgcgc caattttcca tggttagtaa taatgataga 91800  
 ctcaatatct gaagaaactt taatagtaaa gagctacacc gttaatcact gtgctaaaaa 91860  
 tgttccagtg tttattaact cctatgattt aaccgcagaa gtggccaaaa atgaagacgt 91920  
 gcgattagcg cgacaagttc aaatttcatt agagaaaata gatgaagtta tagaatcaat 91980  
 tttttctgcg tctggtccta gcgttgaaaa tgtaaaagat caggcaaagt ttgctttgtg 92040  
 tcgtttactg cttggtcctg tgagtattcc gtgctactgc gaagaatggg atgtcaattt 92100  
 ttatctgaca aaatgtagtt ataattgcga aggcccggtt ctatatatct ataaaaatgc 92160  
 ttctcaatgc tgtgaaagca catatcgttt ttctatcatg actaattatc attccactca 92220  
 catctttaga ggattattat cattacaaga atggaatagt catctatcaa atatcttatg 92280  
 tacttgttcg aacgtaacag gtgataaata tactgcaaca atctttccaa acaatgcttc 92340  
 aatttacttg gaatattatc cgtattttct atgctatcta tgcaagcatc tgtctatcat 92400  
 tgatattgag caatgtacta atgaattgat agcttttctt ggtccaaaga cttctcaaag 92460

gattataatt cactataaac tggtattcgg gtttcgatct aaaccaatga atttcactgt 92520  
ttctttgtta gaacagggtt tcacccttga aatccaaaaa ctctactatt ccgttagtaa 92580  
gcacaacagt acaacagcag attttttcaa tgtcattacc gctaaatttg cagaggacaa 92640  
atattttgtt ctacgaacat ttaaattgtc tgcgcaaate actcctggta ttcaaagttt 92700  
ttgttcattg aaattcaaac tccagacctt atatctaaat ttgaaaatta tgaaaaacac 92760  
aaaattatcc atttctaata gtttttatca tggtaaaact ttatatacac tggatgaaaa 92820  
gcaacttggt tggagaaaatt tattgttaat ttactatggt tacaatttaa aagacaatgt 92880  
aaaacaaaca caagaagaga gttgtgtgc gatgcattac atacgaatat tggaaagatt 92940  
gtctctaaaa agttttcgcg aaattaatca acaatttaga tttgaaattc cgagttacca 93000  
agagaaaact ttgcagtta ttccagggtg aaatgatttc gcagaaatca catcggtcac 93060  
gcatggagaa acaactgtga atgcatttaa tacaatagg gtcattgaatg tgaaagctgc 93120  
tctttcagga gaaatacact gtgttttaca tcgtattcct aaaagcatga cacatagttt 93180  
tgtgatgtat aagcgcactt ttaaagaacc ctctttaaca gtgagtacct tcatttcaaa 93240  
tgatgatttc accacaagtt cattgaacat taacattcga ggtccctact gtgatttttt 93300  
atatgcattg ggtgtgtata gattacatgt taacatacaa gatttttttt tacctgcttt 93360  
tgtttgtaac agtaataatt cgatggattt gcatgggcta gaaaatcaag gaattgtgcg 93420  
aaagcgtaaa aagaagggtt actggataac taattttcct tgtatgatct ccaattctga 93480  
aaaagttaat gttggttggg ttaaagcggg aacaggcata ataccaagg tttctggaac 93540  
agacttaaaa aatgtttctt tgaaagaact cataagcatc ggagaaattc ccaatattac 93600  
ttttgatatg gatttacatg ctttggttaac tcttttagag aaacgaaata tgcattcagg 93660  
tccatttctt attaaacaat tttttatgtt tcttcgttta ggtcttttag tgggatattg 93720  
acgtaaacag gaaagaaagg tccatcacat tatgctattc ttaatacaaa agggtttttt 93780  
cgatttttcg aagaattcag ttgccaacag taaaattaaa catgcatgcg ctctagttgg 93840  
aagtcgactt gccacaatg tgccaaaaat tctgtctaag cagaaaaaaa tgaaactgga 93900  
tcatttgggt cgaaacgcaa acgctttaac cgttttacgt tttattgtag aaaatggtta 93960

ttataaaagg aagacaatTT ttcgcaaact tttgaagtat ttagctacta catcttttaa 94020  
 tgctcatggt caaactgaaa gtaatcggtt actcaacttg atgcacaatg acagcaaaac 94080  
 aaatTTTTcc agtttggaag gactgtacac tttacgttaa caatgagaca gcaactgtgc 94140  
 atgaaatctt gaattccgat ttaagtgaac tggtacagtt aaagacggaa tttgtatcta 94200  
 tgacagacct atgtgtttac attactggat gtataaatca gaatatttcc agcatcacga 94260  
 tatattggca tgcttacagt gaagtaattt atgctttaac tggaattata cactgtgaaa 94320  
 agatttctat tgaatgtgga attaaatcca cggacaataa cattttgtat gaaaagccca 94380  
 aactgttttt acttcgagaa aatttagcac caactgaatt aaggtggaaa tctttaataa 94440  
 aaacaaagac tataaaaagt gctctgtctc caaatcaaaa tgagattttt cccaaaatag 94500  
 cacacaagcc gtcaatcctt ttagagattg aagaagcacc ccgatttaag gaaatgggtg 94560  
 catgtatttg gaagttagtt gccgaagagg cgaccataac ctcaaaaagc gagaatgata 94620  
 ttgtcaaaac atgcaaaaag cttgctgaat cacaagata tactttgaca aatggtactg 94680  
 tgttgcaaaa ttttatatta gtccatgcct gcttatttaa gcttgagact gttattttt 94740  
 gggaggaaat gaatggaaaa ttacgtcaac ggccagaact aatgtcaaaa tcattcactg 94800  
 gccatgagga atgtttctat aattgttatt atttatgcac tttgttaaatt tccatttata 94860  
 gttacaaaac tttattgcca gaaattgtag acaataccag atccattcat gtagtagtga 94920  
 aagcatatta ttcagagcac atagatgttt cttacaaaat tctttcgtac tcaacaaaca 94980  
 tgatgaactt attctctcag tatttaaatt ttacagattt attgccatat ataaataagc 95040  
 acattaaaat tgatgtttca gcatctaagc aagatatgat taaattctta aatgcctgtt 95100  
 tgggacttta gatttcttta aatgaagttt gtttaccttc atggcacata taaatagcca 95160  
 ttataataga aattaaaagg tcatctgaac aggtttgttt tttggcatta taggttacgt 95220  
 gttcatttat attaatgtg tgaagattct taatttgttc aatcacatac tctattgggt 95280  
 catacgttat tttattgta aaggaaatta gttcttgtga cgctttaatg taacctgaat 95340  
 taaaattcga aatgaaatat tctacggcta atctcttttc tctccccagt aaataaaatg 95400  
 gttgtgcaat ttggctctga tctaaagtat ggaaaaatgt tatgtgctta tatcttataa 95460

ccgatatagt ttgtttcaat atgcatgcaa ttttcaccgc cgatgattga ttggaattac 95520  
 cctcgataat aattttgagc tcagtaaaaa aagggtgtaa ttctaaaaca gctagtatca 95580  
 tatgtgaggc acattcagca attgaagcat cggagtttga tagtaaactt tctagaaaat 95640  
 agtgctccat tccatatatt atatattgat caccatatgt tccgatcgct gctacccttg 95700  
 ttccagaagc acgtcgattg attgtgtatg ctggatcaat atatatgtag agctctttgc 95760  
 ctaagaatgg aattatctgt ttgctaattg tgctatatcg gaaaaggctg aattcaatga 95820  
 gtccttgctc tgttatcaag gtatcattta ccacattgca gagagaacca cccattattt 95880  
 cgtgtttgaa agcaccttct aaaaataggt cggcggtttt tttgacgtca gcgttgatgc 95940  
 tgataaattt cggtttatgt agtcggtaac atgcacaggt tgttgcatth cctctgtcat 96000  
 ttagtatgtg cacatgatct tcacaaacat aagatactac agttaacatt tcaaaggggg 96060  
 aattgcttag ttttgtcaag aaggaagtag agtgatttcc ggaatttggt gatgatataa 96120  
 aaataatttt agtcgaagat tgtggcagaa atccaagaat tgtgctaaac gcgtcttttt 96180  
 tgataaaatg gctttcatca acgatgagaa gattaaagct ctgaccacgt atactctgag 96240  
 aagaaaatga acggagtttt aaacgatata aagactgagt ttttatgtaa tactaaaaca 96300  
 gatcttttaa cgttgataca aaaaatttgt ctgaactgtg atttcattct tgaaccggta 96360  
 gaatcttttc ctaaaaaaac cgagttgggt gcggtgatgt atgatacgct cgcggtggaa 96420  
 atttttaacg atcttttaaa atataatgaa caaaaaaag atggacttgc ctaaattgtca 96480  
 gtcaatcaca gttgcttggt aaggagaatg ttcgcaaagt tacaatttgc ataactctct 96540  
 gacatttgaa atgggttttg gaaacatctt tatatgtgtt cgggtgttta agatacattt 96600  
 ttgcaatatg ctagaagact gcaacctgat aaatactcat gaaggatgcg tgtgttcaaa 96660  
 aaccgggctt ttttataacg gatggatgcc agcctattca catacctgta tggaacctac 96720  
 tgaagagcca aatatggaga ccgttaatgt agttgtagt ctgttatcat acgtttacag 96780  
 ttttttaata caaaataaag ccaggtattc aaacattatt cgcgacatta taaaagatgg 96840  
 aaagtttata gaacaagtag aaaatgctgt ttttgtaca ttttaataagg tgtttaagaa 96900  
 ctccaccttg aataagttac ctcttactac tgtcagtcaa ctttttggtc agttaataat 96960

tggaggccac gcggaaggca ctatttacga taataatgtc attcgtgtta gtagaagaaa 97020  
 gagggaggat aacatactta aaaaaatgag gattgaatat ggaaatgcac ttgctctgtg 97080  
 aaacaatgtt tacttgcaga aaaaataata tttaccggt acatttatgt attttactgg 97140  
 atgatgttat acataaagag aaagtaaaag ctatagaagg gatctttttt cagtgtgtat 97200  
 tttttaaaga aaagcttgta tatacggaat ggacaaaaat aaagtttact tatgtgttac 97260  
 atgatcttgt aatttctcaa atctttaaga atgcctgtat taaagaagta atacatgggg 97320  
 cattaattct ttcagttccc ataaatattg ataacctaca ttttgataca gatattttta 97380  
 ttctaaaaat tatttaccca cattttttgc acgatgatat tgtcataaaa ttatcgga 97440  
 ttttgtctgg agcacctcgc atacaaaaaa cagtggaaaa aaaacaagag gtggaaaaac 97500  
 cttttttcca tattcctgca aaacttggag atctcacaaa ggaagaccct atttcgttca 97560  
 accatcatgg tccgtagaa cctccatcaa ctgtagagg attaaaacaa tctgcgaacg 97620  
 ttaggcatag tcatccaata tcaaggcctg aaaaagcgaa cgtaaccttt ctaagtgatt 97680  
 cgtggtacag ccaaaatcta aagtgtgact tcatatctga cattcaacaa agacatgtgc 97740  
 ttgtcatttt ttggtatgag ttatcgaaag ggatacaaat gcaaattaaa aatattcaaa 97800  
 ttccctctga aaatttgttt tcatcaataa cgaattattt agatagagtc aacacatatt 97860  
 tagacgagat tgctgaaaga acttttcgat gtattactac taacatggaa attcagaata 97920  
 gacatcttcc acaaaaattt aatagtcatt ttcaaataga gttaattgt actcacttaa 97980  
 tttatggtat ggaattggcg agggattttt ggattttgtc tttagataga aatagttgtg 98040  
 ttttaaaagc tatggccagt cattttcttc ataaaaaaaa aggagaagc tcacttagtt 98100  
 cgaatgaatt ttgggctgac ttaattgatt gcactaccgg aaaaacctta tatggagaga 98160  
 aagtacggtg gcaattaaat tctgaaacga gcttatactc cacattcaga aaaaatcaaa 98220  
 acatttcatg ggaattacag cctaattgtt atgcactata tatgtctgag aatttaaagc 98280  
 tgtattgggt attaccggg gggttctgcg tgtctggaac ttttaaatta aaagagaacg 98340  
 atgaattttt ctgcgattgg caatttggga tgtcttagga gttttttaca aaatgagtgt 98400  
 aattggtttt cgggtgtgta aaaaaagttg taccacgaat atcgttgtgt ggcaacatct 98460

tctcctgttt tcgctgttga taaatttaaa gattgcttgc actgtaatat aattatttta 98520  
aaaaagaatt tggattttgt ttttagcttg gccataaacg gaatacatgc cggacagttt 98580  
gcaacaaatt ccattaaact aaaaaaaatt ataataacaa acgatttggt gtactacata 98640  
ttagaattgg gatctttaac ggtaacggat ttacatttca ttccaaaata caatagtga 98700  
catgtgctga atgtgcgacc tattacgcca aatctaattt atgatacttg ttcaattggt 98760  
agttatgacg aagctaaact tttaactgtt aaaggacctg gagaaaataa attaattcct 98820  
ttgggttggt gttcttggtg tctcaacaac attggacgtt attatgtgta cacttttgtc 98880  
ctgggtgtacg atttatatct ggcttgcttt gaaaaaaca ctttgccatc attatctaaa 98940  
gtagtttttg atatgatttc ctgcaataat aaacattgtg ttttttgtaa ggatcatagt 99000  
aaacacgtag aacaaactgg caaaaccgtt ggatgcactg ataatacaaga aacatgtttt 99060  
tgttacaccc catgcaagaa aaaaatggct aagatttcca accaagatct gtcttcatta 99120  
ttatgtgatc aagagctcga ttacttgat ctaatttacc ctgaaaagcc cactagtctt 99180  
tcaactgata taaatgctta cgtacatgga cataagaatc aagaaccagt cgttttaagg 99240  
aatacaaaact ggatattaat tcgtcttgac ccagcaatta gcagattaat actcctttcc 99300  
tgtccagtct gtaaacgcat agtaagtagg taagaaaaat ttgttactta cgtgagtgtt 99360  
gtaacaacta gcaaacagtg ctgtactttt tattgtttcg tgttcgatag taatcacatt 99420  
atcttgacag gtgatattct tttgcgggaa aaaacgtcta catttaaatt caacatcttt 99480  
cataacaaag tgcgaaacgt gtttttgatg tgcaacataa ccaatgctga ttccttctaa 99540  
attctttaat aaaaaacaaa taactggtat catgaacat gttttaccgt gtcttctggg 99600  
aactagaaaa acactagctt tctgtttaag tatgtttacg ctgctttcgt ttataaactc 99660  
tatgtcaaatt ttatatatta agtaatcaag gacatgattg gccagtgtgg gtaatttcgt 99720  
aacagagatg aaaaaatta tgtgtataag aatgctcttt tgaaatggct ctagtttaatt 99780  
tctttccttt ttattggtgt tctcaaaatc accgcagatc catctttgaa aatcttgaat 99840  
aaatttttcg atctgtaaaa acatgggatt tctgtaaaaa cttgtttgta gctctagatg 99900  
tttttgatat tgtacttctg tatttttctc tatgattgca gtaaatttga gctttgacaa 99960

agcgcagttc aaggggtcgc atattgcaat tttagatttt acgtgccgtt ggcatcaca 100020  
 aaagagatat aaaggtttta catgcctgca atatgcatgt gtaaagccaa gttctggagt 100080  
 taatataata aatcgttttt ggcaaaatat cgcgctgttt ggaaaagttg aagaaatctt 100140  
 tacgtcctgt tcatgtttcc aaattataga ctgatacgtt ttctgaattg catctatata 100200  
 gcatgatcgc aacatggaca cagatattgc tctagctgca atttataaag aaacgactaa 100260  
 attaaatgaa aaggatgcta aaattttctc ggaggcagtg cagaccgcac taactgtgtg 100320  
 taaagcaacc gtcctaata cacgtctaaa actcgttgaa acaccaacta ataacttctt 100380  
 actagtaaca aatgttggtc catcagaaac ttcgaaagca acgactgaag caaatcttaa 100440  
 tattgatgca gcgttggaag aactggcgctc ttcttttaac acagcggtag ctgtaaaatc 100500  
 atccaaaaag tatttggtgc aaaatgtgag aaaaatgacc agtgagaaca tcgctctaac 100560  
 tggatcatat atcatctata cgaaaaaaca catcgagggt gcgtttctgt tagataagtc 100620  
 tgattttgtt caggatattt tacgttatgc tgaacacccc agtcttctag gacataccga 100680  
 tgtacgtgat ttagaatgtt tgttatgggt agctttttgt ggtcctatga gttattgtca 100740  
 ggctgataat tgttttggac taaataaggc ggggtataac gcccctttcc caatattgtt 100800  
 tccaccatgc atgtatgaaa gaaatatgaa ccttagtgta ttttttgggt tattgcaaat 100860  
 ttatgtgttc tctttgtata gagatttttag tgtcgaaaat tcaaatttac agcaaggtat 100920  
 taaaaagcgt attaagttgg ttctgtcaga ttacgggcc aaagaaagaa tttgtgagga 100980  
 agagatagga aattttccat tggcggtcga aatatgcctg ttttgtgcat tatatagaca 101040  
 aaataggctc tgtatggaat atgccgcaaa caatctaagt atgagtgtgt tcagtccaat 101100  
 aatattaaag gactgtacat ttatgcaaac aacagttacc ataactcaaa tcttgccagg 101160  
 ttctaaggaa gcaataattt tcccagttta cgatataggc aaattattat cagctcttgt 101220  
 tttttcagag aacggtgtac ttttgaaact ataatgtcac tgcatgaatt aataaaacaa 101280  
 actatgtcca aaaatttaga aaaaaaacat tatgagttgt taaaattaaa acttggtgaa 101340  
 gatcatcctc ttagcggttc acagcaaatt cagctctca atcaaatct tgtatcagaa 101400  
 aatctgaac agtcccagat aattacttct ttgacaaaaa tgttaaagga tcaaaagctg 101460

cagctgaaag cgcaaaggaa aaatgctgct cagctagaat gtgtagattt ggatgacatt 101520  
ttggatacgg cagcggaagt gaaatccgtc accgacaata taaaagaaac tttactggcc 101580  
ggattagaat cagactaaat atggagcagc ttaagacacc ccaaaatcaa aaaacacgtc 101640  
caagaaatat gcttcctaaa aaaaaaggaa aagaacttaa aaaaaggcct tgtaaagtaa 101700  
aacgtaaatt atttggttcc gaaaacatca gacctaaca aaaaatacct ctggcttcag 101760  
acgtggataa cgaattggaa aaaaaacggg gctcgatgat acgaaaacgg tctgagacgg 101820  
acttatgtcc agatccatct gtaacagacc tcctatgtca tgaatctttg actgtatctc 101880  
caaagtttga acgagatgga ttgagtgcac gcacggaatt tgagaatttt atggatacaa 101940  
ggaaaatcgt gttaagtcga aatgaaaagt ctgtgacaga ttttaagtga cattaccccg 102000  
ttttatgtaa tcttggaatt ttgagcgtc ttcatcacc ctttttggtt tcaatacaca 102060  
ttgatactca gtcattttca gttgtctatg ttccacataa ggaaagttcc tgttctcagt 102120  
tttgcgagcc agaaaaaac atggcacgga ttttaggaag cggatcatat ggaatggtat 102180  
atgatttgaa caatggtgca attaaagctt ctgatgactt agagagctgc atttcttctt 102240  
atgtgtctgg agtagttcgt gcaaaagccg gagctcaatt aacctcacgc gaatgcgtgt 102300  
ttaaagctt tttgatatgt aattctgtct gctgaacca taaaatctcc ctttccaaaa 102360  
cttatgatac agatttatat aaatttacag actggaaatt ggaaaacgtt gaaaattatt 102420  
actctatttt ttgcaacctt gcagaagctg ttcgtttttt aaacatggtg tgtaaaatca 102480  
accattgtga tatttcacta gcaaatattt tgatacacca caaggaaggt attattttgg 102540  
aggctgtgtt agctgattac agtttagctg aagtacaccc acagtataat ggaaaatgtg 102600  
gaatactaag acaatttgat cataggatcc agattgtgcc taaaagttat aataaattgt 102660  
gtgacatgtt taatccaggt ttcagacca tgatagctca caaaataatt ttggtcgaag 102720  
tttatgcaga atttgatggt aagggaatc cagtgcagca ttgtaatcta gatctttgtg 102780  
cactagcgca agtattttta ttatgtgtca tcagaatgtt ggatgaacgc ggatgccgtg 102840  
aggcgcaaaa atattatgaa aatcgattgt tcacgtactc aaatgaagct tgtactttga 102900  
atccaatcaa atacccttta gaataaaag atgcttggtg caaagtttta gctgagcact 102960

tagtttttatt tggcattctt ttttatcgtg aggtggtgga tatgtttgaa aacttgtatg 103020  
actttctgca cgcaagtggg gatttaagcg taagagattt actcgaggaa acatatgtaa 103080  
atgacagtag agatgttaga agacaaccaa tcaggtatag gcacgccccaa ttacaaagac 103140  
acgaaattgg tcaaatactt ttaaattgatc tgcaacaatt gctttccatt ataactatgt 103200  
cagattttaga gaaggatcca tattctgtat ttccgggtgta acatggcaat agattacgca 103260  
caaatttctt gtaatttggc ttctattata gaagaggact cggctctttt atttctaata 103320  
gacaaattaa acaatctgga catttcaaga aggaaaattt catttaattt tatccgtctg 103380  
tgttatactt attatatctt aataaagttt aattctcgtc tcaaagatac cttcttagcc 103440  
agatcgttca ttgattatat gcatacaaac atatcagatt ttatcgatga gaatgttgag 103500  
ctatctgatt tatatagcaa tatttatgtc cgcttacaag atgcgagtcc aaaagttggt 103560  
aagaatctat ttaaaatatt agaacgagag acaagaggac agtcaacaaa tccactctgg 103620  
cacgctatgc gaaaaaattg catcacggca actaaaattt atgacatcta tatctctaaa 103680  
tctttttcgg gtatacagga gcattcttat ttaggagatg cggttttata tggaattaaa 103740  
catgaacgca tcatagaaca cctgttaaag acattctttg tgaaaaagcc ctggatatct 103800  
aaaacacttg gtttattatt agatccttca tctggagtgt ttggtgcac catagattct 103860  
tattatggaa tctcttttaa tgacaacaac ctgatagaag taggggataa agttgttata 103920  
tttgaattga aatttagata taaatatctg agagaaaaaa acgatctatt tgtttccgag 103980  
ctgttacaaa atccgtcaga aattgcttta gctaaattca tcttatcaca tccaatacca 104040  
gctatagagt atagagaaaa tggaaagatg cctcggcaa gagaatattt aatcactaac 104100  
aatcctctat acgattctgg taaaaaacgt cgtgcttgct tgactcccaa aaatttgacg 104160  
ttcgacatta cacgactaat tcccatgaac gaaaaaaatg tgtcaacggc aattattttt 104220  
gatgtcgtta aagactgtat attaaacaca ttggttgcat accaaaaagc tatttttact 104280  
attgatgctt ttataaatcc taggcataga tattattttc agagtatttt acagcaatat 104340  
gtaatgactc aattttatat acaggatcac gataatccag aaaatattga aaaagagaat 104400  
ttaccctcgg tttatatgtt atctgccata tttcgaaaaa gagaagacga cgaaaaaac 104460

tgtcgttgc taattgagga cacagaatat ttagaagaag aaatcccttt aattttattg 104520  
 attactccaa ttactattga cgctgaattt acttcacgag taatcaaaga tatatgctgt 104580  
 atctgggaaa ataaaattgc acaacagaca aatttaaaaa tatgggctca aagtgtgta 104640  
 agacaatata tggcggcatc ttcagcaagg ccgaagacac cttagtagac tataaaggaa 104700  
 aatatattaa tcttgaaaaa gaattttctg ctttaagtga tactgaatct gaagaagagt 104760  
 tgcaactaga gaagccactt ctaaataaac aagattctag cgtttcgtta acccagaaga 104820  
 aacttgaaaa tcaatccaaa taaacgtcca ttgattaaaa accctttatt catttgcttc 104880  
 ttctaataca tctaggtcct ccactgttgt aggtaatctt ttataattat gatgtttccg 104940  
 cataaaaaat ctaattaatc tgcatataat aaaggaaaga caaactatgg tgatcacagc 105000  
 tagattgact atgaatttga cagtccattc cgttttaaat agtgaatcat attttagtat 105060  
 tgggtaggtt aagcctagga taccaaaca aattccaaaa tgtaaacc aa attgaacctt 105120  
 aacatactga tgtaaaatta attcaatcac caaagagtat acaaaagaca taacaaaaaa 105180  
 ggtgttgata gatgcgaaag ccactgttga tgatttaata tagaaattgt tacctaaacc 105240  
 tagacaaatc gtaattgcaa acaccatact ggaaaaaccc aacattagtt ctatcatatt 105300  
 gattatgata gttttatatt ttattgtgcc tttagagttt gggtaggatcc gtttcaatac 105360  
 gaagaaagat ctttcagagg attgatactg tgttatcata gtcaatgtga aagctgtgaa 105420  
 gcaaatgaaa aacaggcaat acgtaaaagc tgcgagggtg actagtcgaa aagaaagaca 105480  
 ggtgacaaaag aactgatatg tatccatagt taaaacaaat tggaacacg ataaactatc 105540  
 ccccatccaa gttatatccc ttgtagattg attgatgttg ggagtttttt cggaagagaa 105600  
 tacttttacg caacaaacta tatagtatac taagatgaag aaaaagcaga tatccatgaa 105660  
 aacaacatag cagataagtt ggataggatt taggtagagt tgtggcgta ggctgcggat 105720  
 gtcattccgt atagagaggt tgatggcttt catatcattg atttcataat atgcgcatgg 105780  
 gaatcccaaa ttgggaaagt gaacagccac taaatgcact gtgacgttga catacgttaa 105840  
 acaagcacag attatactta agacccaaat tctcatatta atcacatcta ctctgtc aa 105900  
 tgccattgtg gggatctgtc aaatggaaac tcagcttcaa aatgatcaat tatttttgg a 105960

atggtttgga caaaatttgt tggattgcca ctttgcaaaa aacgtttcag tgtatttgca 106020  
agatgcttca atggttcatt ttaaaacctt ttctgaacaa ataaaaatta taagagctcc 106080  
aatgggttct ggcaaaacct ctgcattgat agaattcttg aaaactgttt catatatatga 106140  
ttctgtcctt gttatttcct gtcgtaaaac ttttgctgca gaacttttaa atagattcaa 106200  
gaagaatgat ttgaacgatt tctatctgta cagcgaaatt aaagagcgtc aaatcaacaa 106260  
gaacaaactg ataattcaag tagaaagttt acatcgtgtt accaggaatt atcatgtttt 106320  
aatactagat gaaataatgt ctattataaa acagttctat tcaaaaacca tgactaaagt 106380  
caaggaagta gatgctaagc ttttaacgct cattagaaat tcaacacaga tcgtagctat 106440  
ggatgcaaca gtcaatcgtt atgtgggtgga ttttttctct ctctgtatgc cgcatttttaa 106500  
gtctgcattg atcataaata cgtttgtaag cgcgaaattt tctaatagat ctgcttattt 106560  
ttgtccaact tttatagatg ggaatcttgc attttatgga attctaaaac aaaaattagg 106620  
cttaggaaaa aacatttgct tattttgtag cacagttaca tctgccgatt tcatgtcaga 106680  
attgttaaaa actgatttcc cggataaaaa aattttgctt ttaacttcta agcagggcaa 106740  
atgtcattct gtcgagagtt ggataaacta taatattggt atttatacat ctattgtaac 106800  
ggtcgggctc agttttgact ttctacattt ttcagctatg tttgtttaca ttcatttgggt 106860  
aaaaggtggc cctgatatgg tttcggtttt tcaatcaatg ggtagagtta gaaaggtcac 106920  
agacaacgaa atttttattt atttgaatcc tgcattaatt caggtgcctc tttctgtatc 106980  
ccctatttcg attccacaat gctatgattg gacacttttt gaaaagtcaa tcctacaatg 107040  
cagctgtatg gattttaata aaaaatgtct cagtgcacaa aactacttgt ctaattccat 107100  
gataaaacaa ttttttagaa ttaggcatta tattgaaaaa actacgctat taaatcttcc 107160  
tgatagtctc tatcttttat gtcttttatt ggatagtaat tcaattaaag ttcacatcga 107220  
tgagagcgtc tttcctatag ctaaagaaaa attctacgca tttacaaaaa tgttggttca 107280  
aggttgccat ttttttgaaa agaagaaaac agactttgta gaaaatacta tgacactgaa 107340  
agaattgctt tctaatacaa atattactgt taacggagaa ttctatgaac ttggaaattt 107400  
ccaagttcat aaagattaca ttgttaattt aaataatttc cagaatttat ttttgaaaaa 107460

tgatgttgac atttttgtaa ttgaagagat tatgcttact ttaaaatctg aaattaggag 107520  
 gtttgttttt ataaatgctt tgctacaaaa atatgttgcc accggtatcg atgtggaaaa 107580  
 gattaaagcg ttttttaaat cccgaatcaa aacatttact ctacctgaaa actatatatg 107640  
 tagcaagttt tatttattaa gtgatatctt aggcgtacat gaatgtggta tgttgatgga 107700  
 tgtagctttt ttagcagaat ctattagagc ggattttaa t tacagtcct gtacagatac 107760  
 gcaaactgac atctcagaag atgctatctt actttgcgct gcaagaagat catctgaaat 107820  
 ccttaggatt ttacaaattg tttttacaac gcacgtgcaa ttatttgaaa aatacaacag 107880  
 ttatacgtta tatttgttca atagggtaaa gggaatgcaa ttaaatacct ggctactgtc 107940  
 gattgcaaaa ttcagtgttt caataataag gatgttttct aaatgtgcct ttaatatgaa 108000  
 tctgggttaag agtaaaccga gatatactgt tgggaagcca tttagaagtc taacgaaaag 108060  
 ggaaatagaa actttacttg acatgtggca cgtatcaaga accaatctga aaacctacaa 108120  
 agagttacgt aaggctctga cagaagcttc aaaaaaaga caaagaaaaa aaatttataa 108180  
 attactaggt cacaatataa gttcttatat cagtgaactt gggtgtctct tccagcatgc 108240  
 agatgcgggg atgtgtttgt catctgggtg tctattgcgt tcataacgat tggaaaaata 108300  
 aacaatatag agtaccaatt tatcaatgcc tgttttttaa tgctgagact cactccttgc 108360  
 atactttttt ggttattgga aatgagattt ctgaaaatct ccttgataag atttccattt 108420  
 caaaagaaaa aatctttatg tgggatttga atgaacaaat aatgagtata actcaaaaga 108480  
 cagagtcaat ctgtgaactg atgtttggca acaacaaat aattcaaaaa ctatccagaa 108540  
 catttatttt cttacaatt attttaaatt ctaatatgta tgaaataata gatgtctgca 108600  
 tagacagtaa tgcggttttg tacatgccag acttaagacc aatgataata agatgtgttg 108660  
 gaaactattc gaaaatatct tctgaactat tgctcagattc agactgcaca caggcgacaa 108720  
 agaaaatgag atttgattat cacgtcaca acttttgttt ctcatataat gtcaatggta 108780  
 aaaaagtact gttttctagt acagagtctt cagaaagtat tttagaaaaa ttgcttgagt 108840  
 ttttcacaat acaaacatat aaattggcag aagaacaatt cttaatggtg acacctaaaa 108900  
 acttttttac cgtcttattt gatgaggaca tgtgtctact tttgctgcaa acagttgtta 108960

gttttttgta tgacaatcta ttctgaaata agttagttgt gaaacaagtt catgattaca 109020  
 ttgggtccaga ttgtggccg caaggacatg agagggcagt ttattttgta gggtttccta 109080  
 atatgtgggtt ttatcgatt tacgatctgg acaacaagat accttgattt aaaaatattt 109140  
 gcaatagaat ttactttac tgtggcctgc cagatagtct aggaccagat ggttgccaga 109200  
 gtgttccaag tacgcagtgt gtggatgaat tcgaagacct tccaatttg ggagcattac 109260  
 aatatttgaa atataatagt ttggttgta caatggaaac agtagaaaat tctgagaatg 109320  
 tgtattattt ttttgagag caggatctgt ttattgtcaa attggtagac attattcaat 109380  
 ctttgttga actatatgtt cctaaaagtt ttctcccaga ttttagcgat gcttatataa 109440  
 aaagtgaaat cttattgaaa ttatatctc gacttcacaa aaaatctaac aacatttttt 109500  
 gtaagatcgt aaaaaaaatc acagagtttt tgagatgttt tttaaacgcg tgctgattaa 109560  
 tggatcttaa ttggatgttt attagaaaca tgcataattgt gtattttata ggtccaaaaa 109620  
 aggatccttc tgtagtactt cctctgttaa aaacgtctgt ggaaagtgtg tggaaaaaaa 109680  
 ttctcaattc ttcaagaact ccagtagtga acataaatta catccctggt tacaatttcc 109740  
 tacacagctc atgtagcttt ttgacaagcg gagacatcaa tagtgaagat tctcattgga 109800  
 ctatcacagc tagcaagtgt ttatataatt gtttaggggc aagtcagatt acagtagatt 109860  
 ttaaaaatat ttacacaaat ttccagcaga tggttagcgt ttttctaagt cacagatagc 109920  
 aaaataaata ttggatcgaa tattttgagc ccaacaacta ttttctagag acacacgaag 109980  
 gtttactaga ctgtaataga tatacagctg tctggacaac agaaaacaaa ctaataagac 110040  
 aatctgttgg ttatccatta acggataaaa tagattttat tcattacatc caggtttgtga 110100  
 tagaaatttt caaaaagtgg ctcttaacaa aatatagtca acaagagtat gcagaaactg 110160  
 ttagattagg aagtaagatc atctctgac atttacattt gttaaatgta aactagtttt 110220  
 ttctatttct gtcattttat attcctttga aaaggcatcg catatagcgc tttttaaaaa 110280  
 atctattaaa tatttagagt cgtcttgcaa acgtctcgtg tttagtata gagtacatgt 110340  
 gtcgtcattg tcgtgagatt tgaaaaaaag atttaacatg tgtatatttg ctgtttttga 110400  
 ctcataatag agctgaataa tgggtggaac ttatccagt acgtcttgct gttgtcatc 110460

gtaaaaaatg tatcttaaaa tactaatcaa tttttgacag gtgcaggcta gaagttttaga 110520  
 gactggcaga gttacactga tttttttaat aatatctcgt aatttaagta gtgtctgccc 110580  
 ttttattggt agattttcta gagcatatac aataccacag agtaaaaact ccgtgtcttc 110640  
 ctttaaaatc aaataaatga ttcttcggtt acattgagtt ttactcagcc gaatctcttc 110700  
 tagcgtatct tcggaatcaa gaagaataat gccaatgaag cctagaaacc ctaatgtttt 110760  
 ctacatatg cttttatagg atttgccatt tacaattgtg ccatcttcca aatgaaacca 110820  
 tacatcatca tttccaaccg aaatatcaat taaaggtaaa tttttaatgg aaacgtgttc 110880  
 ggcggtgttg tttagttcac agatattccg gacgcttgat atattgaata tgtctagagt 110940  
 ttcgaatcct ttttaagcttg ctggcaacgt catcttgagg atattgaaaa tcttctgggt 111000  
 ttgtggatcc taaatcaggt gtcaaagtca aatcactttg tttctgagta tgtattaaat 111060  
 gcgaaagctc gttaatctgc cgtatataga ttaatcttaa ataatgctta attttacagt 111120  
 ttgagtacac agctaacata atctctttta gagagaggaa cagaaactct tctgggagca 111180  
 gttcaaaatg tcttaatttt agaacatggt tcatgaaggg tataagaagc aattctagcg 111240  
 tgtaatttga atatgagatg ctgtcttccg gtccttgatt gttgacattt tttcgtagac 111300  
 ggaatgtcct tgtgtattca gtttcccata attgatcaat ttttttgtct gcgtattcaa 111360  
 tatctggaat atattgtgaa aaaaaactgt ttgccacagc tctggtgtcg tctattgata 111420  
 cactagtga tgggagactt tgaactttgt tcagagcttt agcgagagac aagctttcaa 111480  
 tatctgaatc taaagtaaag tcatgtttag aagtttcgga taaatttatt aatgaatgca 111540  
 tgtctttaat cttattttca aatagccgat ttgcagtttt cagtgtttcg atttcgtcca 111600  
 gttgtgattg aatctgttcc tccatgcatt ttatgatttg ttttttgaag atatctctaa 111660  
 tatcgcgatc attattgtcc tgcccacgac gttgcaaatt tcctttgctg attaataatt 111720  
 tattttggtc aattatagac ggcgatgatg cttgtaaaaa accctcaata ctatctgtta 111780  
 ttccaatttt agatttacta tcggacaagt ttaatagaaa ctttataaga ctttttttcg 111840  
 catcgctggt tttttcctct ctttctataa gttctagaat ttttttgtta tcaacactgt 111900  
 tctttgatgt agttaaact ttaattggaa aagtattcag caattgacac attttacggt 111960

gcctgtgtag gttttcgtgt ttattcaatt ctgagtataa gtgagctagg ggtgttgtaa 112020  
acagcaattg attatttatg aaatatgggtg cactgtaaac aaagtactct agttccttgt 112080  
tattggagag acaggttata ttgccgtttg acttgtttcg ataaatgttt atgttggtga 112140  
aatcggcaat agatgttgag gagatctgtg ttaaaatgtg cagtagaaag ttctgtttgt 112200  
ttcgtatgat ttcttgaatc aatctagagg aaatactttt tgctaagggt gtcagcgtaa 112260  
ccttgttttt tggtaatgtg acaattgggtg ttattccaat cgtacaaatc caatcaatgt 112320  
atttattata aatgtcgtta tcgagatttt gaaggatgta gtttatcggt tgcaaaatgc 112380  
cttccaggat tacctgtttg attgcataat accagatatt aaaatattct tgaaatgaca 112440  
tgcctttact gcggaacgga aatgctttca gatgacgttg ccattcagca ttgatctgct 112500  
ggatggatat actattcaag agagtgtgtg acagtgtgta aaacatttgc ttcttaaaga 112560  
cagccgagtc tctaagaaca ctgtgtatag attgtccctt aaagaattct tttttaccgt 112620  
gtagcatttc tataaatttt atagtcttaa tagaaggaaa taaaatgtca ttgtcttcat 112680  
tattcaatgg taaatatgac acaaaattcc ttttaaacat gtcactgtgt gctaagggtg 112740  
agttgattgt tgagaaagtt gcagctttag ctgatgcctg tttagagacg ccgttaccaa 112800  
ctgactggtt tcgtaacatt cttgatcctg aattagaatt taatagcaat tttgaagaaa 112860  
ttcattctat aggtgatgaa gaatttgctc aaccgttgcc atttttacct tttagagtat 112920  
tattaataac cggtactgcg ggtgcgggca aaacaagcag cattcaaacc ttagcagcta 112980  
atagtgattg tcttataact gctaccactt ccattgctgc tcaaaatctt agtggtttat 113040  
tgaacagaac caaatctgcg caagtgaaaa caatttttaa aacatttggt tttaatagtt 113100  
cacatgtatc tatgaatgaa agaattagtt gttcagtaac aacttttagat tcgattgcgg 113160  
atcagcaaaa acatgattta tctacatatt ggaacgtcat cgcagatata gcggaagag 113220  
ctttgaatgc agcaaatggg aaagccaaag tgatacctga tctatgtgaa agcagtgtga 113280  
ttgtgattga tgaagcagga gtgatcttaa ggcacatttt gcatacagtt gtcttttttt 113340  
attggtttta taacggtctt cataaaacac agctctataa aaatagagtt attccttgta 113400  
ttgtatgtgt tggatctcct acacaaagtg gggctttaat ttcactgttt aatccgttaa 113460

cacaaaataa agacgtaaag aaaggatttg atatcttata cgctttaata tgtgacgaca 113520  
ttctatcaaa ttactgtaaa atatcagaaa attgggtgat ttttgtaaat aataaacgat 113580  
gcactgatgt ggaattcggc gaatttttaa aacatataga atttggtttg ccattgaaac 113640  
ctgaattgat tgagtatgtt gataggtttg ttagaccggc aacttatatt agaaatccta 113700  
caaacgaaat tggaatgacg cgtttatatt tatcacatta cgaagttaag tcatatttta 113760  
aagttttaca tgagcaggtc gaactgacaa ataaagataa tctttttact tttcctgttt 113820  
atttcataat tcagaataaa gcatttgaag attacaaaaa tgaaatttca aattttactt 113880  
tagagattga accatgggtt aaaactaatt tacacagatt aaatacttat tcccaattcg 113940  
ctgatcaaga tttgtctaag accatacaaa tcgaagaaat tgtattagat gatggttcgg 114000  
tagaggaaac tttgataacg tgtcatttga aacatatata acatagtctt attggcggtta 114060  
cttccagaac aaaatcttca actgttgggt tttcagggac atatgaaaaa tttgtggagc 114120  
ttctgcaaag tgatttatatt attgaaaaaa cagcatgcga atatagcgtg cagcctatt 114180  
ccttcttgac aggtttaatg tatgggggta tgtattcttt ctgtttatcc gaattcacga 114240  
cttctgaagt aatgacagaa ataagaaaga tcaaattgcc caatattgat tttctacaaa 114300  
caatgacagc tgaagtttct ttgcaaacct tcgatgaatc agacgaatac tatgatctac 114360  
acattgcacc tacagatgaa gaaatgtag cttcggatcc gtgcccagat cttttttttt 114420  
taaagtacaa gcaacttcca ttaacgaatg ttctaacatt tgaagaaatc agttaccttt 114480  
atacagtatt taaagagatt ttcatttcta gatttgcaat tctacaaagg cacagtaaag 114540  
aaatgttcgg caagagtaat ttaatcacat ataataggaa taatgtttcg agcaaaagat 114600  
gtggggagat atgttcacat gttaaaagct tctacggcat gttaacatat gctgtgcctg 114660  
ctaataatta tactttggaa ggatatactt atgataatgt gattttctta gggacggata 114720  
aaatgcttcc tccgataatt tacaaaagag gtttaccxaa aattgttatc aaggatgaaa 114780  
tgggctttat ttcgatctta gacaacaatg tatcaaaact tactgacact gtcaatggta 114840  
acagttttca tatctgtaca accatagatt acgccatagt ttctaaagtt gcaatgactg 114900  
tgacaaaaag tcaaggctta tctatacaaa gggttgcctt agattttgga aatgataccta 114960

aaaatttaaa gttgagttct atatatgttg gtatgtcaag agttgttgat ccaaataatt 115020  
 taattatgaa tctgaaccct ttacggttga actatgaaaa tgataatatt attgcttcac 115080  
 atattgtaaa ggccttaaaa aataaagata ctatgcttat tttttaaatg ccagagtttg 115140  
 tgttgattga cgtatTTTTT taaactaagt tgaaattaag ttttcatgt atcgatgtgc 115200  
 ttttttctgg tatgttttta atggttggca attgtaaaaa taaagacatg aatcaatgat 115260  
 ttggtataca ctattttatt gcgaaaatga taaatactct gggtcggaa gttgaggctt 115320  
 ttagaaatct ttcattctct gaatctgcaa agaaaaaaaa tgcttagaat cttttgcaca 115380  
 tctagataaa gtaggtaaaa aataaatata aacaaaattt accgtctgcg tagttatttg 115440  
 ttccagttga atgaggactg cagtattctt atgccaggtt tttcaaagac gcagtctaaa 115500  
 agtaaaggga aaaacttttc cggagtatac aaatgtactc cggattgcgc aggcgtgttt 115560  
 attctacatt taaaattgat ggcagttagc ggtgtcaggt ggtatgtatg gtgtctatTT 115620  
 taagtatgtc agaaatcaac taaagttcct tttccacaca ctactgaagg ttgtatgaat 115680  
 atcacaattc acaattttat aacaatctag agttgctttt taaggtatgg aaaaagccta 115740  
 tgaaatcatg caaaatgctg ataattgtac attcagaaag ctaaaactac ttattcttaa 115800  
 tatctatgac ttaaccttaa aaatctatga caaaacctat tgattattct taacagctat 115860  
 tattaaaatt aaaagtgatt aactattctt aaaaactatg attttaccce attccccacc 115920  
 cccacccccca cccttcttga ttatatcccg gacccccacta aatggattgt ctttgtatta 115980  
 tgttggtgtg ttgcccacta cacactgaaa catagtacaa gggctaactc ttaatggtta 116040  
 caagtatgca gtcaaaaatc gtaatggttc tgatctttct tgtacatgtt caagttttcg 116100  
 gcggttaaga tgctttagag atagttcaag attttagatt caaaacatca cttatctcca 116160  
 cagatcattt ccaagcaatt gtacagaaag atagaatgtc aatgagaaca gccgtttctca 116220  
 ttgtcttcac aaagtgaggt tcagatcatg acatagtagc cgtaaattggc tactgtgggt 116280  
 tacattataa atgagaacag ccgttcccat agttttaaaa tgaggtttaa aacatacagt 116340  
 agccattaca tggttactgt ggtccaaaac gcggtatccg aatcgcaatc cacaatacac 116400  
 agtcccgttg ttcaaaaagt tatgcagttg gcggtcttaa tcaggtatga gatggtatgg 116460

caatacacgt tgtaaaaatt ctgagatttg aaacaatgat gtcactgttg taggatatcc 116520  
tgtagttttt gatggttttt tggttgatga cttacacaag atcaaaaagt actggtaatc 116580  
cttagtgta gatcttacat gatatgacaa gagaaaaaaa gctatatatg ggaagggata 116640  
acccatatca aacaagaaaa gttaaagaga agaaactatg agatgggaga acctataaca 116700  
aatacacttt taagattggg gtgggtgaac agggcataac tgtagcaata aaaccagtga 116760  
ccgacagtta cattccttca taaaaactaa cgtgatagca aaaaaatat acataaataa 116820  
agaagatggc ttttcaagt ataatggcag tctagataca cttatatcgt tgagaggtgt 116880  
gtcagtcct atacaacttt tcctattacc tcgtctaaaa aaggcaacct aaaactggct 116940  
gttttacctg ggatgattta aatatagaat aaacattcac ctacctgtt ttcttctctg 117000  
aagagtagta gtgttgactg cattgtctcc gtgtatcttg atccaataga gctttatcta 117060  
ataaatacaa aaaaggaaaa atccgtatat tccataactt gttaagtaca atttcataa 117120  
aaattgaaaa aatatatcgt ttagatgta taaaaagt tatcgtttta actaatcatt 117180  
gtctattttc agacatcgat acagagtttg atatttacga gtttttcgaa agattaaatt 117240  
tcaatctcac ctctttcgct gtcttaacag ttcattgtaga tcgcgggctt tataaacaaa 117300  
tgctttccag tttccacgc cctgggggat atgacgcaat ttccttcac cgtgaacttg 117360  
tcgtgtttgc ggtaaactc gcggaagtaa accgttattt tttctcgaac ggtaaaatac 117420  
aaaaacggtt tatgcgaaac aatttcaggc aaatatcatt gcgacttttt aaaaacgatt 117480  
taagttatga gggttttgt tggctacatt ccggaaatca atttcatgt cagaaagcat 117540  
aaaagggaga tgcttttgt tcaggaagca actttatcag tcaagaactg tgaagtacat 117600  
tccttgagaa atcacttaga ctcgtagtaa gaagtgaatt tttcagtga tggaagcagg 117660  
taagtataaa atttcctat tctatttcaa cctgtactcg actctgaata cgttatttct 117720  
tttattgaca gaatgattgc ggaggataga gaatatggaa cgtttgaatc tgtaaccag 117780  
gcttatcagc agatcattag tcatacttta cagctgagac gatatgaatt tgaaactggg 117840  
tgcatgatta tgttttctgc taattctgga aaatgtgaga tgctctctaa tggttggatt 117900  
tcaatgatt catggacttc agaaaccgat acggccggct cattgacatt ggatatttgt 117960

actgagggag ggcagtgcaa aacttacagt gccagaggtc atatattatg ttctaaaaac 118020  
 atcacttcaa tttctcagaa aaacgaggga aaggaaaaag ttttgacgat ttgtcatgac 118080  
 aatggaaaat tgcatttaac ttatatcaca gttctaaaaa gcggccttga ttgtgatatc 118140  
 aaagaccaa aactggagaa actgtttgaa aaagaacatg cagaacgaaa aaagcaagat 118200  
 gatgattata aaaaaaaagc tcttaaacia aaagataaac gccgttctga gcaaaaaatt 118260  
 ttggaagact gtgataaaaa agatgaaaaa aaaagaatgg atgacaccga aaaagaaaaa 118320  
 ctacaagagg accgtcgaaa cgaaaaacia gacctaaaaa aaagagtaga tgacaccgaa 118380  
 aaaagaaaat tagaagatga ccgtcgaaac gaaaaacaag acctcgaagg ttagttgcct 118440  
 tttttctaaa tcactagtcc taaatatgac ttgttgaatt tttgtagtgt ctaaggtttt 118500  
 tacataaaca tgttttctta gatgcatcca aagaaaaaag gatgaaagtg catcacgaaa 118560  
 aacgtcatgc ggaagaacia gcaaacgaag aggttgcttc ttcgagtcag ttatcaagta 118620  
 gaataccaga gggatgcgtta tcgcccacta tttctattga tcttcaggaa tatcaagaat 118680  
 ttgaggattt tgacaagcgc atttgtgggc aggtgggtgg agttttgggt ttatgatgca 118740  
 tttttattgc agttttttat gtgggttaaag atgtttcttt cttttagggg aagaatcaag 118800  
 acgtgtatg caagaaagtc caaagtgatg aaagtttttg tataaataaa ccgttagagc 118860  
 agtttagaga gaaactaata aaaattactc atgaagctgt acaacagtca ctgttacaat 118920  
 cgcggggaaa aaatgaggat aataaaaaag atgttaccba aaatgtaaaa ttcgctgatg 118980  
 aaaatatgaa tttcgcaggg ggttctaaat gtacttctaa aactaagcat attgaagatc 119040  
 aacaaataca gtttggggca caaaatagat ttgttctat atgtgaaata aaaccattta 119100  
 ttgatgtcaa ctttttaaaa tcaaagttaa gaggtagaag gagtactcgt ggaagaagaa 119160  
 actcaaactc cgctagattt tcggcctcta cttttgaaca accaattgaa acttctgaga 119220  
 tgctgacggg ttcgactcga tccagaggac gttccagggg aaggccaaga ggcagaggca 119280  
 gatccagaaa catgtcaatg agacaaactc caagagaagt tgaagacatg ttaccgattg 119340  
 ttttgacag tgacagtac acggagactt taaggcgtaa tgaagattta ttggcgtctt 119400  
 ccatattaca gactttataa atcgtttggt atgttccaat caattggaca tttgttgtgg 119460

atttgtaa atttatttgc ttttaaaaaa tgaccacaac cgataaaaagg tgtttttgat 119520  
 ccttttgttc tcggagatgg atgtgcacat tccaaaatca agtgtttctt tgaatctatt 119580  
 aaagacacga gtttgcgagc ctgtgatccc cacaacataa aaactaagtt ttgcattttt 119640  
 tctgatagtt ggtaataat tcggttgctc aaaacttgcc atccaatcgc ttcattgggac 119700  
 attggtactc cccttataac tgtgaaaaca gtgttgagta acaaaacgcc ttgggcacac 119760  
 caagatttta aagatccgtg ggctggagct ttaaaattct ctattgttct ttcaagttct 119820  
 gcaaaaatgg tttttaaaga attcggaggg gaacatcctc tcacagtgc taaagcta 119880  
 ccgtgacctc taccatcggg ataaggatct tggcccacta ttatcacctt aatctcttca 119940  
 ggccaacata aataactcca gctgtgtaca ttctgaggat cggggtagat aattaatctt 120000  
 tctctgtcac gctgaaccaa tttgtataca ttttgtaatt gtacaatgtc agaattctgat 120060  
 aagtttaaaa acttaagcca cttcacattg atttgaaacg tttcatgttg ttcttcaaga 120120  
 gacattttta ttgagttgtc atctgaaatg tttccagca tccactgtag taatgccatt 120180  
 attgaatggg agaagcagtg ttcattgggt ttttattaat gttgcctgaa cacgtgacac 120240  
 ataagttgag cgatctataa agcatgcgtc agtaagttct aatgagcaaa ttcgaaaact 120300  
 cgcttcggaa tggaagcact tcattatatt tttccatttc ttgaattaac gggaaactaa 120360  
 agttgtaata cctagaaaaa tatctcaaac aatttaacaa agcatcaaaa acattaattc 120420  
 catggtgatc aattctcaca attctctgtg tgcgagtctc ttcattttca aggtaaatca 120480  
 aaattgacat gttaaaattt atcatatttg atggtatatt gaattcaa atccgattatat 120540  
 tttctacaaa gatgttgccc gtgaatttga gttttcata agagtatgat ttacacacat 120600  
 tatctctaca ggtaaaaagt gtgttatctg aaagacatct ttc aaagtta tttaaaaagc 120660  
 caagccagtt gtgccctgat tctgaatctt taattaagga aagtaaggtg tgtagttgat 120720  
 taggattatt atacagtagg taaaatgttt ctaaaaaatc ttcattcaatt aaaacttgat 120780  
 ctctccttga gatataggga gtatgatata ataagcgaga aattatatcc gaatttggtta 120840  
 taggtgcctg atcaataggt tccagaagcg acagagtttt tgattgggta caatttagaa 120900  
 tgtttttgat acattcttgt tctaaattag aataataaga gttattaaat aaagcatata 120960

ttggttttag aatggagata agaaatataa aaaagatggt agttttcatg ttccataaag 121020  
 ttgtatacaa aacaccagga acttaaatat ggaagacaca tttaaattgga atctaataat 121080  
 ttacataccg tttttgaagt gagctttcta attatttcgt gattatagaa attatcattc 121140  
 tgttaaatac tctgaaacag aaaatctgga attcttaaca gtaggttttc cttacctgta 121200  
 ttagtagaag ttgtatTTTT agaagtcgaa tctgagtcaa gatctataga aaatataaac 121260  
 tttatatcat tccaaaagtt aagcaataaa tatataacgt aattcgagtc aatcagagta 121320  
 cataagtttt aaaatatact atgtctttta tagtttacca taatcgctcc agtagatgta 121380  
 tctattgaaa gtattataga tgattaaatg ctctttaagt aataaagggt gtgttaactt 121440  
 tgagacattt agtaaaatgt cagcagggtta acgaattgaa aattggacac agagatgagc 121500  
 agcacaaaat agatcttttt cagttggggc atttatgtac agagagtaga caccactatt 121560  
 tttcctgtgt ttgctgttga cattcacagg catcatagct tcttttctag tcagttcagt 121620  
 atgtggcact gttcctctga gaaatctgtt aattgctatg gcagttttct gttcatggaa 121680  
 aaagatctca gaaacggttt gttcgctttt gttacaatc agattagcta tttccatcaa 121740  
 ttttctgtga agtgagttaa caagtaatcc gttacgtgaa taaacttgaa tttgaactac 121800  
 agtcgaatta taaaatcgaa gtaatttata aacttccgat aagaaatttt tcggcgaaca 121860  
 taaaccgcat ggatgcataa aatcacaatt aaaatctgta taatttttta tttcaggaga 121920  
 gtggataggt ttggaatcgt taaaattgct gtgaacaata cccttagatt ttgttgcaaa 121980  
 gtttgtcgtt gagagatttt cttttacagc cttaaatttt tttctcaatt tagaatgttt 122040  
 atagatggca ttcgtatatt tgtccgctt aagtaacatt tctgattttg aaatgtttat 122100  
 ttcagaattt attttttcag gaattgtaca ttttatggct ttttcattaa acggtaacgt 122160  
 ttttgaaaaa cagttacatg tatatcgagc attggcttta gtacacatgc agctttttaga 122220  
 agtgagttaa ctttggcct tacaacagct tttacgtttt ttgcccctca tattcaagta 122280  
 ctgaagcttt caaaattttc aatgttgatg agttcctagt ttacacagaa gggttgaagc 122340  
 tattataacg aaaagcagga cactggagat tattaaaatt atccacgcca aatcgttgtt 122400  
 aattaactct gactgtttta gagaatcatc acttaatttt gtatcattat aggggttttc 122460

aaatggttga ataatcgagg taacattctc gtctatctct ccgccgtaag acagacaagt 122520  
 gatcggtttg ccaaagaacg tattgctgcc ttgtctttta aaaagaaagc tgagtgtcgt 122580  
 tgtctgcgag cgtttgtaat ttacacgcac tgttggactg tcctgtctat atatcttctc 122640  
 taaaaataaa atggctacta atggctttgg atacgacgtc acagaacatg ttacatccaa 122700  
 aaaattttgc agatggcgat agtacaaagc aattattggc ttcatgaaa gatgcacaca 122760  
 actcatagta gacaatcgag tcttggcgaa gaatgcacat gttaagcaac cagcatcgtt 122820  
 aattgttcga gatttaaaatt tcagcaatgc tgtgatattg ttagcattga agtaaataat 122880  
 gctttctttg tcacgatgtt taaattcatg aactattttt tcactcatgt ttttcaggtt 122940  
 tttggtattt atggtatgat ttaatatcag ttcgtaatgt ttaaaccata ttacagagct 123000  
 gagattttta gttgtatcaa cagtacactg aaatacaatt gtgtttccta gttctactct 123060  
 atgatgcatt attggagata atgcatatat gattacagaa aatccaatca tctttatgaa 123120  
 aattgcacct aagaaaggca ttgtgtgaaa ttgtctgatt ttggattttt ctgcatctat 123180  
 attatctgga cacaccctaa aaaaccacta tttttctctt tttactttga tttttgtgtt 123240  
 ttttttttaa aatgtggacc caccattca aaaataaggc gtttggggta aagcaaatgt 123300  
 aatctttatt ttttttttaa aatttacaaa gtgctgtgta ttttgaaaga aaatctctac 123360  
 ttacaggatt atagatggaa atcggattat ccccatcggg gatagagctt aatcgagaa 123420  
 caatttcttt tggctctctt ttgcataat tgttacagat tttagctgcc atgaaaaaat 123480  
 ctattgggtg tgcagcgtat attataattg ttttgagatc tgaatgtctt gtatacagag 123540  
 tatgtgcact attactaatg ttctcccaca attcatgcgg tccttttttt tgtaattcga 123600  
 tgaaattctt tatggaatct ttgtcataat atcgcggggg ggcgtgggtc attttaaagg 123660  
 gttcagacat ggtgatatta ggtcttacca ttagctcttt ttgcatggct tttatgtctt 123720  
 cggcaacagt ttttgacctg gtaaaatata ttataagcgc accggattta gagcttccat 123780  
 tgcagcacia agcataaacc gattctttca atttggcttc cggaaacggg ttttttgaa 123840  
 tttgtttata ttcaaaagcg cggattgttt ttcgaaacag tttttcaaaa tctttagtgg 123900  
 gaacacgacc acgttgtact taaatttag ctgattgctt ttgctcttgt aattttacat 123960

actccctgta ggataaatca ttatcagata gttctgagtc agatTTTTtg gtaccagata 124020  
 tccgctTTTT gtagaaaagc tgcattgctt agtccgaatc atcagaaaaa cgtttctctg 124080  
 catttctgcg tttatTTTTa aaaaatttat tagtactttt cttttgttca tactcattcg 124140  
 gaatactttt ggccccatga gtaaaatcta tatctacacg cttgctTTTT tgtgtagatc 124200  
 cagaagacca cgaatgatta gaacagcttc tttccgatct ttttttgcaa tctgattcag 124260  
 aagacctgct tctacttctt agagtctctg aattcttatt tttacaggat tgataagtgc 124320  
 tttcagaaat actgtgttct gaatttgatc tagatataga tatcaaatgt ttgcattgtg 124380  
 tttccgactg agaactttgt ttattgttag aacacacttt acatgttctg gatttagatg 124440  
 cagatctaga tctcgatgta tcagagctgc ttctagatct gtgtttttgg cgatgtcttg 124500  
 ttttagtact ttctgaacat gattctgact cagtgttctt gtgttcgtgc cgtctctttt 124560  
 tagaagagga aaaggattgg gattgtaaat ctgaattggg atccgattct gactctgtgc 124620  
 tcggtggtct ctttttcctt atgtgagggc gaaactcttg attatacaaa tgttcattgt 124680  
 ttgatctaa ttgaagtcta gattcaacat gtttatacaa atttagctct tttccacacc 124740  
 tgaattcaaa ttctgacata tcaactttgc taacaaaatc aactgtcta ttgccattag 124800  
 aattaggaga ttctgtatat gaaggtttta actctgtaga ggaacaacta tttctactta 124860  
 atacagaatt tttagaagat gctgagctag atgacttaca actgcattta ctgcttgaac 124920  
 tgctgcttga actcgatgta tccgtatcag agtcaactga tgaacttcgt gtagattttg 124980  
 gactcataga tctatcactt ataggaaact ttttgtttc agaggagttc tgtgtgcatt 125040  
 gtaattcatt atcaaagaat tcaaatagcc cattctctgt gtctgattta gctaaaaatt 125100  
 ctgctcagg acttacaaaa ttttggtcta tttcatctgt ggtttgagaa atgatctgtt 125160  
 ccatgtgttg attttctatg ctgtgtacat gttcaacttc tgactgtgaa taatcattta 125220  
 ctggtgattt atattgtcct tctcagtac tacttgaatc agatcgtgtc ctttgtgtaa 125280  
 gattgtcgtt acacatggaa tctgttgtat ttgatttttc agattctaca gggggattat 125340  
 cgatagaagg tatattacat ggtgctgtga ctttccctc aaaatcgttg tcttagcat 125400  
 ctattttgga attaacagta gttttgctt gtctaggtct acctacacga tatgaatttt 125460

ttccctgtaca ttttgtatca gagaaaacag tactagaatt acaattttaag gcagtactta 125520  
 ctgtacagcg tgaagattgc ttaatgaatt ctatatcaga agcagaaatg tctttgtcat 125580  
 ttttttctag gagtctttta aaattaatca acttagttgg agctcgttga tttgattcct 125640  
 gtacgtctgg tttaggagtt aatggcagtg gagaaagcat tggttctagt tttgataatt 125700  
 ttctgagatt ttctatagct tcatctggtg atttgtcctt tttctttaag tttgaagaac 125760  
 ctttgtccaa gttgggacaa tgcttagaat ctgtagtcga tgtgatttgt ttttcttttg 125820  
 atgtactagg tcttgttcta gctttcataa aagtcttttc ctgtgaagac ttgttatatt 125880  
 tacatttgtc tacatctgaa gtcgaagata gactgtcttt agccagggga actatatcag 125940  
 cattataaat tcttttaatt agatccatct tatgagaact tggaatatat gacaagctta 126000  
 caacatcctc attttgtggt gttttgtctt tgtctgtctt tttcctggca ggtttttcca 126060  
 aattgttcac gtttgagatt aatttggttt ctttgtgatt tgtctgaatt ggtgtatttt 126120  
 gactgtattc acttttcttt gataatgtaa gacctgatga aatacattct ttttgaaggt 126180  
 tttgactatc tgtgatcata gagctgcttg gaatttgtga aaaagccatg ctgtaatctc 126240  
 tgctttgaaa gccatagtta ggacaaaagt gttgataatt gtctctgtaa ggattatgtc 126300  
 taaaatctga attgtatgag tcatatgact gatctcgttg catatatctc ggaaaggtaa 126360  
 attcatttct gttggaaaag tcatgaaatt tagcatagcc acgtccacgt ctgttgtaag 126420  
 gtctgtgaaa atgtttacca taatgatattt ggtattttga gttagggtta caataatttc 126480  
 tactgtcata ttttctctg ttgttgcgac ccttgtaatg atgttgtcga taggttgtat 126540  
 cgaacgaatt gtgacaaagt tctctatttt tatagtccaa attgttaaaa atatcaactg 126600  
 aagattgggg ttgatatggt aaagagataa aattttctcc acttgcttga ggataattat 126660  
 aatacaatga ttgcagtcct tgatgtggca attctgatgc aaatcgaaat tgtccagttt 126720  
 cagttgtatt tggagaagat tcagaagtaa aagtacttct tgatttaaga ggaatagcac 126780  
 gtcgcggatc ttgaagagtt tttgatgtga ctatttcttg gttgttaaaa tttgaataag 126840  
 ttatttcatt ttctggtttt gtatgatcgt gaatttcatt atataaaccc gaaagagtca 126900  
 tggcttcacg aaccacgtca gctgtagtgc tcatgggtgc atgcaatggt ctttttctg 126960

aaaatgaaaa ataaaaattg tttatitttaa aatgttatta aattagcgat aatactaaga 127020  
 tgatatatac ctttaaatag agtggaaatg tacttttaaat tgtctagaaa atataacgca 127080  
 atatgttagt taaaaatgta acttgttaga ttgatatttc atgggccctg aaacctgcat 127140  
 atgagctaata gtgtgtacaa atttgtgaca ataaatatta aagtggaaac attccaaatg 127200  
 tagcaattta catgtaaacg gatatgtaaa tgtaataaag atgtgtatgg ttatgtcaaa 127260  
 agagctaatt tgcaaactg cagttattaa ttgtaatgga tgtacaaatg ttgatacatg 127320  
 tttgtgtctg ttgctgtgta tatgagttta tgttaaatgt ttatgtaaat attatatgtt 127380  
 ggtacatatc aatgtattta tgttgataag cagatgttag tatgtattag tatcaatgga 127440  
 ttgtagtatg ctactgcatg ctattaaaca agtagagtgt ttacttgtat tagattatat 127500  
 ttacatgaca ttgtcatgta aatatatagt tgcatacatt tttcatgtaa caacacatat 127560  
 gtgttcatgt acatattaca taatatatgc tagtaaataa ttacatgcac tagtaaatat 127620  
 ttgcacatgc taatgtgttc atgtgggtat atgtacatat tacataatat atgctagtaa 127680  
 atgattacat gcactagcat atatttgcac atactaatgt gttcatgtgg gtatatgtac 127740  
 atattacata atatatgcta gtaaatagatt acatgcacta gcatatattt gcacatacta 127800  
 atgtgttcat gtgggtatat gtacatatta cataatatat gctagtaaata gattacatgc 127860  
 actagtaaata atttgcacat gctaatacat aacagtacat gtttaataact tttgatctat 127920  
 gccgctacat gttagtacat gctatactga taatgcgtgg aagtttatta tttggatttc 127980  
 tgtaaggcca tgtgtattct atgaatgagt atataaatgg gtatgttaat atatgttagt 128040  
 atggttgcaa gtaaagatat gttaatgtgt attagtaagt acgtaatgta tgtgaatgta 128100  
 ttcaattttc aaagaaatga tatagaaatt tctaaacatg ttattgtgga aaatgtagat 128160  
 cttgtgatct attataataa tataaacata aattaaattt ttaagttata gctaccaatc 128220  
 tttgcctatt tttcttgggg ggcatacttt ttatatgatt ttatatgtac ggaaatatat 128280  
 gtacgtagaa taaagaataa aatacttgaa atcaaaccct gttataagta aatttactta 128340  
 gtatcatata tgtataaatt ttgataattt atgaagatgg cataaatgtt gaaaatatc 128400  
 atgtgtttgt tataagaatt tcaatgttac taaaataaaa ccaatcacta attatctttt 128460

atatgcaaaa atgtgtcttt gtatatattc aaattaaaat ttaaaactta tgttttaatc 128520  
 atgtgaaata cagatgtatg aatatgtagc atggaaactt caaaaatata aatcatatag 128580  
 acctattgct ttaactatat ttaagattta catattttaaa tattacataa taaaaatttt 128640  
 aatattttaaa taaaaatatg tattataaat atgtttattta ctagtacagc tttataaatt 128700  
 aaagaacata tgtattttaaa gtttaaaaac taatgaaatg tgcttctatg agttaattgt 128760  
 aaatgtcaat tttgtgattt taatatTTTT ctaaataatg agattcaatg ttgttaatta 128820  
 gatgtgtgca gtttgagaac atgtttatat ttacaaaaat ttgtatatat ttaaaaatat 128880  
 gttaatcagc atagccttat ttataatgat taattttaaa ttctatgtaa ttaaacttta 128940  
 tggacaaaat aaatttcaaa ccatttattt tgaaaaacat aaatgcagtt tagaactgat 129000  
 acaatttttt ttttcaaaag gggtagacac ttaaaagatt ttttacagt gttataaaag 129060  
 tattagaaaa ggaattaaga tatatatgaa aaaatttcca tcctgcttat ggaactataa 129120  
 tatatcaaag caatttattt atgaaaattc caagtctatg aaagtaaaga taccattca 129180  
 agtgaaaggc tattatagtt aggagggcta gcaatataag aaaacttata ttcaatgtat 129240  
 ttttttttaa gctatgaaag taaagatacc tattcaagtg aaaggctatt atagttagga 129300  
 gggctagcaa tataagaaaa cttatatcca atgtattttt taagctatga gataaatttg 129360  
 ataggtctaa aacattttat ttataagaaa aaaatgaaaa attttatttc atagatacaa 129420  
 taacacagat gaaagttaca tttataatgt atctatccaa attcttataa tgtgtaaaca 129480  
 gtaagttaaa ctaatatgta aaatatttaa gtaaaaaaag tataaaaaac ttaaggttta 129540  
 tttaaaagtc catattttat aaaagttaat gaaaaagaaa ctgaatagaa atagattgat 129600  
 aagtcatat gcaaaaacta caatttcaac aaaaggaaaa gtgatgttta atagatttga 129660  
 gcattttcca aaaatggatc atatccctgt ggataacctt caagaaagtc aacataagtt 129720  
 tgatcagaat ctgtgttttc tttcccataa ttttgagtgt caacactctg ttctaaaata 129780  
 aatgagttca tctcaattac atttttattt gcatatctct tttttaattc ttcataatgt 129840  
 ctattaatac catttttaat catttctgtg atttccataa aattatccat gataatattt 129900  
 gttacatgg ttttagtctc tgaaatgctg tcaacctcaa taaaattttc ttggagtttt 129960

ggaaatatat atgagacatt ttcccgcta tattcttcat cattacttct tattggaata 130020  
 aaatgattat taaaacaata acttgcttgt ttggtcagtt ctttattttc atcttttttc 130080  
 atgcctgtgt ctggaatggt aactttatga gtcttacgta aaaaccacag gcagtttttt 130140  
 ttaggaacaa ttttaactct gacacctctt gtcaccccc gtatggatct gataggaatt 130200  
 gtgaaaacaa cactagggaa tccattgttt tcacagttat cagaattggt aattagtttt 130260  
 gatctgtaag gaatagaatc ttagacatc tctgtattaa aattactcat gttttcattg 130320  
 tctgtatcag tgcaagaatt taactccata ttattgcagc cctctttaac aattagtttt 130380  
 tttttttttg ctttgctagt tttcaacttg ctttcacttt ttctctttaa ttgttttttt 130440  
 ttaacagcac tgaaatcatg tgctgtagtc tgtgagtcac tgaaggatgt tagactgaca 130500  
 ctactgaatg tagaatttgt atcagtgtg gagctctcac tttcatatat gggttgattta 130560  
 tctgtatcat aaccatatgt ttccatctca gaaatcacca gatttgtatt atctgtatct 130620  
 ctactgttat tattggaatt ctgctccaat aaaatcaatc cttcagcggc cactttttcc 130680  
 acatcacttt ctgtgtcaac atcagctgtt gatctttcta cagctctatt agttgaaata 130740  
 tcctttttct tatctctgat gtaaaagggt tcattaggaa atttatctgg aataattaaa 130800  
 tcttttccat ctttatattt gttttcattt ctgttaaggt tatgaaaatt tacattggag 130860  
 gttttattgc cctgactaac actctgttta tttttaatca tttcttcttg ccttgataaa 130920  
 gacttatctg ttttaatttt aacatctgtt ttgtcttcag acagattgtg acctttgttc 130980  
 tgattatcta atgtatgatt tgtcatggta aaaagttcaa agtactgttc tttatcttgg 131040  
 gtgtccttat taaatattga cttttccatg agtattccag ctgggctatt tgttttttta 131100  
 tctgttctgg aaaaggtagg aggaaattca ttgaaaatg tcaaagagtt attgacgcaa 131160  
 atttcctcag ttactgacct ttccatgagt attccagctt gggttatctgt ttttttatct 131220  
 ctcttggaag aggttgatg aggaaattca ttgaaaagt tcaaagagtt cttatcttga 131280  
 taagtttcct catttctttt aaggttatac aaactcatgt taaaggcttc attgttctta 131340  
 ctgactttct gtttgttttt aatagtcttt ctctgtcctg ttagaatttg atctgcttta 131400  
 gtatccctgc agcttttcat agtagcctct ttgaaaaaat cctgtgtggc tgctgcttcg 131460

gaaagccccg tctcattttt tatagcattc acttcagaat ttttctcaac tgagattata 131520  
ggattatcag ataagaatct gcaaatagta ttcttgga aaatcctgtgt gtctgttcct 131580  
tcagaaacat ttacctcact ttcttcagta ctcatccag gatttgtttc agctggatac 131640  
atgagacagt caggtgagtc ttttgaaaca acctttttgg caagattctg tgtatctatc 131700  
tcttcaaaga aatctaattt atattctctg gtacaaactt caggattttt tccagttgtg 131760  
tttttagagt gtgattcatc tgatgcttgt gaaacagcca gagttgtttt aatggtttgg 131820  
catatgtctg aaaaatttga ttgaacattg tactgttcag actttgaaac aactgtgtga 131880  
ggactgacat tctgatgtac actttggtag gattgttcag atgtttcaga acattcctca 131940  
gaatactttc cataatcatt aaaatcttca atttctggtg gagtcgagtc agaattatat 132000  
aagtgtgact caagcaaagt ggaagagtga tgtccatttc ctgtgacata tccatttcta 132060  
atggatattg aatttaacac tgtaacttct cctgtgacat catatagctt ttctatttga 132120  
tcacaagcat cattaatcat atgcataagt gtgatcttaa attcttttct atttgccttg 132180  
aattttttgc atgaaaattc tttagagcat attacaatac actgcagtac agcagctcct 132240  
aggttttttg ctgcctctat taaatttata caattgaaat gtattttaag gaatgtttcg 132300  
tcacacattg acatgaacat ctgattcatc tgtttgattg caaagtcttt catagtttga 132360  
gctattctgc tgtttttttc aattatttca aatttacatt ccaacaaatc ttttttaatc 132420  
ttatttgttt ttatgtagaa tgcctgattg gaaatgttta tatctgttat gtctctgttt 132480  
tttcccatca ttaataacat tgttgacat ctgttaagtt tctcattact gcttataaag 132540  
ttgccatac ttatgatctt ttttatacat ttgataaatt ctctatccat attatttctc 132600  
aaatctgata aatattctct acaatctgca atcacttttt taacaatttc atcaaattta 132660  
tcacaggcat atacagtga tcttgattca caccaaagaa aaaattctaa ttgttctcca 132720  
gataagatat cttcataaaa agatataaat ccagaggaag caccactaat taaattaaca 132780  
tttagcatct gagataattg ttctaaagca agatctgtaa gcatgtgtct gtcattcggt 132840  
aaaattccag cgtggttaat taaacaatct tcaatgtctg ctttttctctg atccatggca 132900  
gcattcacgg atttaagaat accttggatg caggcactaa tggactgagc tagaatttaa 132960

agaaaaaagt ctaaatatga aatctgtaca catatatcat attttatatg taagaaaatg 133020  
 aaaaaaaaaat acctgctgcc agtttaatat ccgaggaagc tccttcttca acatttgtgg 133080  
 aataggaagc atttgccgtt gcaatatcat tagatgatat tgagtcaagg aaatcaaaag 133140  
 aatccaattc ttggaagaga gtattatcaa aggaagggtt gcattttaaa ctgtcttgca 133200  
 atatgtctct gatggctctt tccacgggtg tatctgggtg atatctgtaa taaaatttat 133260  
 aaattttatt acagagaaat taaatctgtc ttttttgtat taaaatattt aggtttacct 133320  
 actcaatatg tctttcgtca ttogatgcca tggtttcaga tggttgtcca acaatcaaca 133380  
 taggtgaagt agctccactt ctttccatag ttttatctgt atgttttagcc acacctacaa 133440  
 taacaaacca atcagaaata ttaaccccat tccaaactca atataaggcc agcctaaaaa 133500  
 tactttcaag cagagtttta aaactctgct tgaaaaaaat gtataactctg gaatatgaaa 133560  
 aacgtgtatc aaggccaaaa ctacttatt ggatcatttt ggcaatatta ttigtTTTTT 133620  
 taataataac tggatctgta ttaattgtaa ttgaaactct gtcaattcaa agaacgactt 133680  
 tgaatgctca aaatgataaa acaagtactg ttgttccaga attaacatct aattctccag 133740  
 gttgttccag ctataaaaatg tcattgttta aaaaaaagt ttgtaactct gttaatatga 133800  
 atattttttc ttgtagatca aacaactgtg acaaattttt ctgcaagttc taaaccaact 133860  
 cttagcagta aacaacccgg atggatacag gcactaacta cagcttttgg aattttaaca 133920  
 ctgttttcag ttatgatgat tattataact tgtaattttt ggctaactga gaaaaatgac 133980  
 aaaactgcaa atccaacaga atactactca gaagacatat tagattatac aaatccaagt 134040  
 ttacagaaa ttgatgaaga cagctcaaaa gtataacatt gttcagaaa taacaaaatt 134100  
 gtaagtaaat ttacttgatt ttcttacct atgagatatt taatggtttt aaaatagaaa 134160  
 atgtcagagt ttaaagtaaa attaatgtaa tttatgattt tttaaagtgt tcttacaact 134220  
 agaaaataac tttaaattat tattagtatt gtaataattt aaaattatta atattagtat 134280  
 tgtaataatt taaaattaat aatattagta ttataaacag tttttaaaat ataaaaaaaa 134340  
 taaattttaa atttatatta aatgatttta aatttactta ccagatggca gcgatatatt 134400  
 ggaaattctg tgtagcagaa ctgtatcttc aagctcttga agaaaaagtg gcaaaatagt 134460

tgatctgtct tcttattata tacattttga agcggatgtg atgcacagga aaatgacgtt 134520  
 aatatatcaa ccaattaaaa aaagccaaaa aaattataat actaaaaaaaa ttaggggttta 134580  
 acctattttg tacatgtatt tttttaaaat attatttttc caataaaaac cacaatggat 134640  
 ttatatttta cgtaaacaatg atttttgcgg ttattttatt tcgaattggt atttaaactt 134700  
 ttgaaacaac aggaattgag gttgtcttct cagcaagttc tacacattcc cactcgcttt 134760  
 aggcaggaaa gaccccaacc acataacca ctgacattta aaccctgaa aacaacagga 134820  
 actgcggttg ccttctcagc aggttttacg ggttctcacc cgtttaggca ggaaagacc 134880  
 caaccacata acccaactaac attttaatat gtgaaaacaa caggaactgc ggttgccttc 134940  
 tcagcaggtt ttacgggttc tcaccggtt aggcaggaaa gaccccaacc acataacca 135000  
 ctgacattta aaccctgaa aacaacagga actgcggttg ccttctcagc aggttttatg 135060  
 agttctcacc cgtttaggca ggaaagacc caaccacata acccaactgac atttaaacc 135120  
 gtgaaaacaa caggaactgc ggttgccttc tcagcaggtt ttatgggttc tcaccggtt 135180  
 aggcaggaaa gaccccaacc acataacca ctgacattta aaccctgaa aacaacagga 135240  
 actgcggttg ccttctcagc aggttttatg ggttctcacc cgtttaggca ggaaagacc 135300  
 caaccacata acccaactgac atttaaacc gtgaaaacaa caggaactgc ggttgccttc 135360  
 tcagcaggtt ttatgagttc tcaccggtt aggcaggaaa gaccccaacc acataacca 135420  
 ctgacattta aaccctgaa aacaacagga actgcggttg ccttctcagc aggttttacg 135480  
 ggttctcacc cgtttaggca ggaaagacc caaccacata acccaactgac atttaaacc 135540  
 gtgaaaacaa caggaactgc ggttgccttc tcagcaggtt ttatgggttc tcaccggtt 135600  
 aggcaggaaa gaccccaacc acataacca ctgacattta aaccctgaa aacaacagga 135660  
 actgcggttg ccttctcagc aggttttatg ggttctcacc cgtttaggca ggaaagacc 135720  
 caaccacata acccaactgac atttaaacc gtgaaaacaa caggaactgc ggttgccttc 135780  
 tcagcaggtt ttatggattc tcaccggtt aggcaggaaa gacccgacc acataacca 135840  
 ctgacattta aaccctgaa aacaacagga actgcggttg ccttctcagc aggttttatg 135900  
 ggttctcacc cgttaggcag gaaagaccg aaccacataa cccactgaca tttaaaccg 135960

tgaaaacaac aggaactgcg gttgccttct cagcaggttt tatgggttct catccgttta 136020  
 ggcaggaaag accccgacca cataacccac tgacatttaa acccgtgaaa acaacaggaa 136080  
 ctgcggttgc cttctcagca ggttttatgg gttctcaccg gtttaggtag gaaagaccca 136140  
 gaccgcataa cccactaaca ttttaatatg tgaaaataaa caggaactgc ggttatagtt 136200  
 tcagttacatt ctagagatta catcctgcta aggcgaaaaa cactttaacc gcaaaagcca 136260  
 ctgattttta aacttgtgaa aataacagga aaccacagaa acgtcaggaa aaaaacgttg 136320  
 ttttataatt atgtccataa aacatgcaac ataatccaaa ccggccaatg atttttctgc 136380  
 ttaaatgtaa tttaaataat ttattcatac gtaagttggt atagccacgc ctacgcagca 136440  
 atgtatataa gcagacaccg tcatttcgca gttagtctgc tggaaagctt gtgaagacta 136500  
 cataaaggta aaaatttgac atttgcaaatt gtattttata attacattat tttagtttaa 136560  
 aaaatccaaa attcttaata gaaatttatt gtgaaattta aaagattttg taaatatgca 136620  
 ttaatatcta ttaaataatt gttatttgac agatttacta aatgtagtgt aaaatatcaa 136680  
 aaaaatttaa aattaattta ttctgaagtt taacattttt taaatatgtc tatttttagt 136740  
 ttcatttgat acattgcgta ggtttggaat tgtgtttcga aaattgctgt aaaaattatt 136800  
 gactcttttt taaatttata gaacattgga tgtaattgca cattcctgga aaattcaaaa 136860  
 aaagaaaata cagtaagtca atttatatgt attgatttta aatggcctcc aataaatatt 136920  
 tttagccagt ttaatgtaa acaaagcata aagtttatgt agttttaaaa tgatgccata 136980  
 ttttaacgaa attcatttaa agacagtatc tattaagaat ttaaattgcag ttctatggct 137040  
 ttaaaaattt gtacgtttta ttgaaaagt ttgctctatt tgaaatcaaa tgtttttagat 137100  
 atttcttttc ataaattcag ttgaaatatg tttcatttat aataggtatt tttctgtttc 137160  
 taaaaataga tgataaaagt cactagatag aaaatatctt ataaattggt atttagtaga 137220  
 ataaacatct ttttatataa caaaaacaca aagtacatga ctttagaaag ccaactaaat 137280  
 gcattattat ttaaaaatta cagaatcaac gagtaatgtc actatagttt tttaaagtaa 137340  
 cttttaattg ttcacttcta gttgtaatca aaagaaggat ggagagtggg gatagtttcg 137400  
 gaaataatca ccaagtctca tcgaattcag atgcttttca attccggcaa tattcaacaa 137460

ctgtagatac ttttgcatat tcatcaatgg atccttcaaa ttgcatgctt aatgaacaaa 137520  
 ctcatttaga aacggtacta gtttatcctg tttacaacat gtcttcccag caaacagtgg 137580  
 agagaaaatct ctatgccaat aatataggaa atggaaatgt gctgagttat tgtagacaag 137640  
 atagtittgca aggaaaccaa ggaacatatt ttccaacata tcagggattt cactcaaaca 137700  
 ctctcataa cttttctata gagaatttta attttggcac caatgtcatc aggcctatac 137760  
 catttagaaa tgaggaggta gacgcatcaa catccaaaga ttatgacttt aaaccttgca 137820  
 ttacaacgat gcaaatacag tttagtcagc catctgcttt tcaaacttat tctttaatga 137880  
 atggaaattt tagtgaaaat gggtatggat acaatactaa gattggtgaa aattgtgcta 137940  
 tgtcttatgt tgagcaagag tctgtagact caaaatatcc aaacaaagaa gttagtatct 138000  
 cttatcaaag aatgaacat tatgatgaga atctcccgac gagagagctt aatacagatt 138060  
 ttccgcaata taatcaaagt tctgtgttac agcacacctt tgcgaaatgtc caaagcatta 138120  
 tttcacagca aagtccatat cagttgattg gaaaagaaaa cagctttaac aactatctgg 138180  
 aaacagctaa cgttgatagt gattgtcaat ctaacggggg gcctaaaatt ggcctagaca 138240  
 cagatcaatc tgttttttca gatgaagtga ctggggcgtg tgtagaaaat gttcattttc 138300  
 caatgaatcc taaaaatgag tatgtaaata acatatcact tgatgtacaa actgaatttc 138360  
 ctgtgactga gaatcctctt gtaggagaaa gtcaggctac aaagaacaag gatgtggaca 138420  
 gtaacgcaga ggtaataat cattctaaat atcgtctatt gaaacgcaat attacaccga 138480  
 ccatgggtaa tattaacat ttaaatttta gttgcaagat atctaccgaa gaagaaagga 138540  
 aaacattttt taacaggttg agtgagctat tgaaaataag ggatgatata aaaaacacta 138600  
 aaatttcttc aaaagtggat ttatttcaat ctgaagcttc tacatcattg gacatttgta 138660  
 aaaatacatt caataacaat tcggattcat cggatgtgga cactgatatc cttgcagaca 138720  
 acccattagt gatatgtgaa aatgaactga tttgtgataa caatgaggaa aacatcaagt 138780  
 ttccgcctaa cgttgaaaaa gaggtgtgcc ccatgcagac ggtaaaacgc agctttccag 138840  
 aaatctgtcc agagcatttt aaaaaaagaa gatttataaa tggatgatgtg atttatgaag 138900  
 atttaaattc tgtttataaa gtgatgccag caagtgcgac atatgacgat gtgcgtttcg 138960

gagaagtgga ttatcaaacc tcttcggctc agacaaaaat ttccaaccac cagtttagcgt 139020  
tggttgccaac aaattatcag cacatgatag ggcaggaaac agacatttca tcgcgggatt 139080  
atcacaatga cagtgtctaa attatttaca attgctcatt tcaacgacag ggaaaaaggc 139140  
ttcttgctga tattccatat agaccttggt taaaagaaaa tgttcccaca ggggaatatg 139200  
gaaaaagatt tgtcaaaaaca gtccctagac cagccagtggt ttttattttt ggaagatgtc 139260  
gaaaaaaaaat gctgagggaa agcgttaaat cttttatgca tttaagcaag ttacagtata 139320  
ctaaagaaaag tctagaagca tatgtactta gaaattgtaa caagttttta gatttgagtt 139380  
ggccgatacg acacaagatc tatattatgc ctgatgtgag tagaaattat aacattgaag 139440  
aggttaagaa tttattttcc gtaccggaag gctggatggt aactctaggt tttgtaggaa 139500  
cagaagaacc ggtgaccaa atttataaca ttgctgtatt gttatgtgaa aatgggtggg 139560  
tcatgattca caagaatgat aaagtggaa ctgaacttta tttagctgct tcgaatctca 139620  
atgaacttat agaggatgga ctggcacgct gtgattgtat ttacgagaaa aggtctgtac 139680  
catatggaat tgtcatggaa ggaaaattaa gacagtttat ggacaatttt ggctcactgc 139740  
aaagtgtgct agcctacaga aagtatttac atggttttct gtgggctttt aatggcacac 139800  
ctggaagatt ggcagacaga gtgttcata cttgtgtacc tggggttcat aatgcccttc 139860  
ccttagatgc tgtgattaaa catgaaaata atcccttgta tttcattgga tatgtaacca 139920  
cctttaaaca gcaaaatgat ttcaatgcta atgttttcat cgcggtagat ggaaatttaa 139980  
gcatttatgg ctatcatctt atatctcaa aaacttggtt tctagcaaaa acattttcaa 140040  
cttttctgaa aatgggaact agaaagatgt actatgatta tgagattcca cttaaaattc 140100  
atttaggaga tagtgcagat tcatttctgt cttgttttaa aaatgccctt tgtctgtctgc 140160  
ttaagccaga agtacttaga aagcaatttc ctaaactta gattgttaaa acttgataa 140220  
ccaaactata ttgaattatg tatacttttt tattgaatgg gacatgtttg taaacatttt 140280  
tgaagcttaa ataaagagt ttttcaaata tctctgtttt gtctctttac agaggacttg 140340  
aaaaattttt tactgtcttt agaacttgcg aatacttggt gagcttttct ttccgggtaa 140400  
cgcatctcca cagtgggtgca ggtcgcttcg taaatataat caaaaaattc ttctacttct 140460

agtagttttg gtgtcggatc ttcattggcg ccataatttg aattaattct agcagctttt 140520  
 attccttccc aactaaaaga gaaaatgttt aaattacagt aaattgcaat tggcattcct 140580  
 tggaaaaatg atgtcacct gaaggctttg tttaaatcaa tccacggtgg cattggttga 140640  
 gtctttgtag gtttgttggt aggcgtaggt ttaatttcat gtatgattgt tgtactcgta 140700  
 tatataggag tgcagtatgt aatacctccg gcctgatata tgctgcgaac gagaaattaa 140760  
 gaaatgagtt tgtttctaag acgaaaagta ttgtcccata cagtaaaaac tcacatgttt 140820  
 ccgtcgtcac atgtcagttc tatcacatca ccgtctgtaa atcgcaagta ttcacacag 140880  
 caggattcta gtttaggtaa ttgaagtctg ctagctagaa ttaaaaaaat tctatacaat 140940  
 atatagatta atctatatat gcacatcatg gacgcatttt atggcttcga gctatacact 141000  
 cttttgtttt attcatttct ttaatacttt gtattttata gaaactaaat aagaagtttt 141060  
 aatgaaatgc atttattaac cacccataac attttgtaac ttttcggata cagtattgtt 141120  
 aaaggcttga gttatatctc cactgttaca cagttgagca tttaaagatt tgttcgagat 141180  
 gagttttttt gttgtccggt catctttttt taagaaagtc aataacagcg tatcaatagt 141240  
 gagtagtctt ccgttgtcaa actctgtttt tgcactgtcg gttttaattt taattgagct 141300  
 ggtatgaaaa aaaaaacaca ttaagttttc ttgttagatt cttatcccc cccccccga 141360  
 caggagagtt ttcaaattac caagggtccga aatctttaga tggtgttagt agtacatcgt 141420  
 attggagatc cgtttagat atcttagatg gaaagtcttg ccacatagca cttacgatgg 141480  
 ctggatcgaa ttctctagga tgaagaagcg aaaattagat tatatctagt tttgctttct 141540  
 aagttaataa tatttacaat ttacctgtta ctaaacgact gtcggtgcgg atgtggaaac 141600  
 atgtcttgta cagtcttttg tccaatagtg tcgaataagc gttctatttc tagtagtgct 141660  
 attggaaaaa gactgcgaaa cacaatttat ttgcttattc tctccagttt ttaaatttcg 141720  
 agtaataaaa gacacttgct tttcttacat tacggtgggtg acgtagtttc gtgcagttgt 141780  
 atcgttttta ggcgagcacc aaatttgtcc atatgtagac tggaatctaa aaaaaaaaaat 141840  
 attgtcaact caaccttttt gtcattttgt tgattgcatg tatgtgcggt tttcctcttt 141900  
 tttagtgtgc ttgttaatat gagcagtttt gtgcgacagt acttacactg tagtgtttgt 141960

taagcacctt tcgtccgtgg gtatctgtct aataatgtct atgtctctcc agggttcgat 142020  
 gggtgtctct gtccagggat gttctgacca tcgccacgcg tatgtcgtgt tttctcgact 142080  
 tttgttctta tccgggcaac aagcgtcata caatggtttt tctgaagtca tgttcacttt 142140  
 aggtatgta aaatcttctt ctttccattg tgaaaattgc atgcaagttt cccattcgta 142200  
 gcccttggtg tcttttcgga cgattgccag tgatatttgt gtccgaaagg ctattccgct 142260  
 gtagctacgc atctttttta aatctgcgcg tatctgtaat tcactaataa gcgggtactt 142320  
 tacattcaaa ttcttgaga aaaaaataac tatagatagt accttttttt gcttaccatt 142380  
 gagcagacga ctgggtgtat tgctcacgtc tttcccaacg gtggcgagca gggaacaaaa 142440  
 ccaggctcgt caaaatgttt gcggtgttca ttcttttcac atacaacaaa ctgttttggt 142500  
 tacttccgaa tcctccatta agtagagaat agtgaagcc tgtagttact gacaagactt 142560  
 cagacagccc tttactcata attttttctc ttaatccgcg cactcccaat gagttctctt 142620  
 ttagtggaat gcagagtgtt gtttctaata atataaccct tagaagaatt aaaagtaagg 142680  
 tgtgagaaat ttacttaaaa agctcttcaa agtcgtcata ttgtagaaat cagtgttaacc 142740  
 atttttactt actgtgcttc gtctggccat tcacattcgc aggaaaacga tgtacatctt 142800  
 gtgtattcta acaagctttg tctttctcgc gaacttagac caatatatct agtagagctt 142860  
 gcgttggtgca tgttttcatt tattaagttt tcgattatat cttctagagt tattgccgtg 142920  
 cgtgcttttt caagtgggac cgtattggta catatcttta tgagtaatgc gaaaattata 142980  
 taatgcagtt gcaccattat ctgcgaagag attttttttg cagcgtcttt atgtgcaggc 143040  
 ttattccccc ccgtttcgta tttcaaatec taaataaccc ccgggggggta aaaaaagggg 143100  
 gggagctaac cctaacceta gctctaacc taaccetaac cctagctcta accetaaccc 143160  
 taaccetaag tctaaccctg accetaaccc taagtctaac cctgacceta accetaaccc 143220  
 taaccctagc tctaacceta accctagctc taaccetaac cctaacceta accctagccc 143280  
 taaccetaac cctaacceta accetaaccc taaccetaac cctaacceta accetaaccc 143340  
 taggtctaac cctaacceta accctaagtc taaccetaac cctaagctta accetaaccc 143400  
 taaccetaac cctaacceta accctgaccc taaccctagc tctaacceta accetaaccc 143460

taaccctaac cctaacccta accctaacc taaccctaag tctaacccta accctaagtc 143520  
 taaccctaac tctaagtcta accctaacc taaccctaac cctaacccta accctaacc 143580  
 taaccctaac cctaacccta agtctaacc taaccctaac cctaacccta accctaacc 143640  
 taagtctaac cctaacccta accctaacc taaccctaac cctaacccta accctagtc 143700  
 taaccctaac cctaacccta agtctaacc taaccctaag tctaacccta accctaacc 143760  
 taaccctaac cctaaccctg accctaacc tagctctaac cctaacccta accctaacc 143820  
 taaccctaac cctaacccta accctaacc taaccctaac cctaacccta accctaacc 143880  
 taaccctaac cctaagtcta accctaacc taaccctaag tctaacccta accctaacc 143940  
 taaccctaac cctaacccta agtctaacc taaccctaag tctaacccta accctaacc 144000  
 taaccctaac cctaacccta accctaacc taaccctaac cctaagtcta accctaacc 144060  
 taaccctaac cctaacccta accctaacc taaccctaag tctaacccta accctaagtc 144120  
 taaccctaac cctaagtcta accctaacc taaccctaac cctaacccta accccaacc 144180  
 taaccctaac cctagctcta agcctaacc caaccctaac cctaacccta gctctaagcc 144240  
 taaccccaac cctaacccta accctagtc taagtctaac cccaacccta accctaacc 144300  
 tagctctaag cctaacccta accctaacc taaccctagc tctaagccta accccaacc 144360  
 taaccctaac cctagctcta agtctaacc caaccctaac cctaacccta gctctaagtt 144420  
 tcaccccaac cctaacccta accctagtc taagtttcac cccaacccta accctaacc 144480  
 tagctctaag cctaacccta accctaacc taaccctagc tctaagccta accccaacc 144540  
 taaccctaac cctagctcta agcctaacc caaccctaac cctaacccta gctctaagtc 144600  
 taaccccaac cctaacccta accctagtc taagtttcac cccaacccta accctaacc 144660  
 tagctctaag tctaacccta accctaacc taaccctagc tctaagtcta accccaacc 144720  
 taaccctaac cctagctcta agcctaacc caaccctaac cctaacccta gctctaagcc 144780  
 taaccccaac cctaacccta accctagtc taagcctaac cccaacccta accctaacc 144840  
 tagctctaag cctaacccta accctaacc taaccctagc tctaagttca cccaaccct 144900  
 aaccctaacc ctagctctaa gtctaacc aaccctaacc ctaaccctag ctctaagtt 144960

aacccaacc ctaaccctaa ccctagctct aagcctaacc ccaaccctaa ccctaaccct 145020  
agctctaagt ctaaccccaa ccctaaccct aaccctagct ctaagcctaa cccaaccct 145080  
aacctaacc ctagctctaa gtctaacccc aaccctaacc ctaaccctag ctctaagttt 145140  
cacccaacc ctaaccctaa ccctagctct aagtttcacc ccaaccctaa ccctaaccct 145200  
agctctaagc ctaaccccaa ccctaaccct aaccctagct ctaagtttca cccaaccct 145260  
aacctaacc ctagctctaa gcctaacccc aaccctaacc ctaaccctag ctctaagcct 145320  
aacccaacc ctaaccctaa ccctagctct aagcctaacc ccaaccctaa ccctaaccct 145380  
agctctaagc ctaaccccaa ccctaaccct aaccctagct ctaagcctaa cccaaccct 145440  
aaccctagct ctaagtttca cccaaccct aaccctaacc ctagctctaa gcctaacccc 145500  
aacctaacc ctaaccctag ctctaagcct aacccaacc ctaaccctaa ccctagctct 145560  
aaacctaacc ccagccctaa ccctaaccct aaccctagct ctaagtctaa cccaaccct 145620  
aacctaacc ctagctctaa gcctaacccc aaccctaacc ctaaccctag ctctaagcct 145680  
aacccaacc ctaaccctaa ccctagctct aagtctaacc ccaaccctaa ccctaaccct 145740  
agctctaagt ctaaccccaa ccctaaccct aaccctagct ctaagcctaa cccaaccct 145800  
aacctaacc ctagctctaa gcctaacccc aaccctaacc ctaaccctag ctctaagtct 145860  
aacccaacc ctaaccctaa ccctagctct aagcctaacc ccaaccctaa ccctaaccct 145920  
agctctaagc ctaaccccaa ccctaaccct aaccctagct ctaagcctaa cccaaccct 145980  
aacctaacc ctagctctaa gtctaacccc aaccctaacc ctaaccctag ctctaagtct 146040  
aacccaacc ctaaccctaa ccctagctct aagtctaacc ccaaccctaa ccctaaccct 146100  
agctctaagc ctaaccccaa ccctaaccct aaccctagct ctaagcctaa cccagccct 146160  
aacctaacc ctagctctaa gtctaacccc aaccctaacc ctaaccctag ctctaagttt 146220  
cacccaacc ctaaccctaa ccctagctct aagcctaacc ccaaccctaa ccctaaccct 146280  
agctctaagt ctaaccccaa ccctaaccct aaccctagct ctaagcctaa cccaaccct 146340  
aacctaacc ctagctctaa gcctaacccc aaccctaacc ctaaccctag ctctaagcct 146400  
aacccaacc ctaaccctaa ccctagctct aagcctaacc ccaaccctaa ccctaaccct 146460

agctctaagt ttcaccccaa ccctaaccct aaccctagct ctaagcctaa ccccaaccct 146520  
 aaccctaacc ctagctctaa gttaacccc aaccctaacc ctaaccctag ctctaagttt 146580  
 caccccaacc ctaaccctaa ccctagctct aagcctaacc ccaaccctaa ccctaaccct 146640  
 agctctaagt ttaaccccaa ccctaaccct aaccctagct ctaaaccctaa cccagccct 146700  
 aaccctaacc ctaaccctag ctctaagtct aaccccaacc ctaaccctaa ccctagctct 146760  
 aagcctaacc ccaaccctaa ccctaaccct agctctaagt ctaaccccaa ccctaaccct 146820  
 aaccctagct ctaagcctaa ccccaaccct aaccctaacc ctagctctaa gcctaacccc 146880  
 agccctaacc ctaaccctag ctctaagcct aaccccaacc ctaaccctaa ccctagctct 146940  
 aagtttcacc ccaaccctaa ccctaaccct agctctaagt ctaacccaaa ccctaaccct 147000  
 aaccctagct ctaagtttca ccccaacccc aaccctaacc ctagctctaa gtctaaccca 147060  
 aaccctaacc ctaaccctag ctctaagtct aaccccaacc ctaaccctag ctctcagtct 147120  
 aacccccagcc ctaaccctaa ccctagctct cactgtcacc ctaacactag ctccaggtca 147180  
 tctgttctag atcctatcca tatctgccct gactcctggt tccataccgc tccgagcccc 147240  
 accctccgtc ccgcccctct cctgtttctc atgccctgcc ttctcaaccc ttctctttcc 147300  
 acgcccacat tgctctgca ctccgcgtc tcttggtgt ggcacctgcc tttccgtgac 147360  
 ctactgggag cgccgcaaaa tctgttttgc cccgcccctg cgcgcgcggg aactgtcggc 147420  
 gccgcgtgc tgctagcccg ccttccagag ctccctccct ccgtctgcct cctcaccctt 147480  
 gccactcacc ctccatctc ttctatcaca gactctgtgt tacaccacct atgactgctg 147540  
 caaccacaga acattttgct ctccgcgcgg cactcaatcg ttactggtgg ctgcttctgg 147600  
 gacgacaaa gctcagtttg gtatgcaact acgtcacagc tcctcgccaa cagttactgc 147660  
 cgctgccgtg gccgaacag gaatttctcc aacttgacct ggccccctac tccaatctcc 147720  
 gcaaccgtgt cgctcaccat ctccatcgcg gctggccage ggcacacaac acatgtaagc 147780  
 taccgtacat ctctttcaca aaccaaggc tcacatagag acaagcacia gctcgcgcaa 147840  
 tgacattaaa acctcccatc attgtccttt cctgtcgctt tgccgataac gtctttgctc 147900  
 tatcgcaggt ttcgaccccc gtccttactt cccaatgct aaagtcaagc tgcttccgct 147960

cggctccatc acccttacca gatcattctc cagtgcagag cctcatccta ttggtgatga 148020  
 tgtgcatcac agtcatgacc ggggtgacta ccatactgtt atctgcagct ggctcacagg 148080  
 aacctccccg atcctagtgc tgcttcaagg accggacggc agcatctatt gccacgacgt 148140  
 gtaccgcggc cgattgtatc tcgtggccca ctctgtatcg ttgttcgcca ggctaggcct 148200  
 tcgccactgc gaacctttat atgcggcacc cagatggaag cacgttcctc tgcccagcat 148260  
 gtgggtggcg agcccgccag cgtccgccac cctcacgcaa aactcgcgcg tgagtgcac 148320  
 gcacggtctg gacgcgttat actcgtgct aaaaatccac agaggaactc cgtgttcgct 148380  
 aatccacccc gtgaacggct acgtcctgga catgatactg acgggcgcgt cattccaaga 148440  
 agcaccctgc caaaacactc gcacgtccgt taaaacaacg ccacatgtaa tggacgcagt 148500  
 ctgcggtggc cgcggggtcat ggctgtccat cggctaccta gtaaagatgc cgcacattca 148560  
 cctggcggtg acccgaacat gtctggtcac cgccatagat gtccgacaaa actttctctg 148620  
 gcgcgtggcg gacgacgcgc tgctattcct ggtcacgggt agtcttttac tactgtcgcg 148680  
 gccgaccgca gacttgacgt cttgggtcatg ttacagcaa gaacctgtgt ggaggaactg 148740  
 tctagatacg cgcggagaac aggatgagac agaagaccaa gagatgaaac aaagcacaag 148800  
 caaaaagcaa aatgagaata aaaaactcaa cacctcaaaa aaacacaccc gcgtatcgtc 148860  
 ggcaattccg acctttcccc tgagtctccg agaaacgccg ccagaagcca ggagcccagc 148920  
 cgtcctcgcc gccgccaccc agtctcacia aactcgagcg atctcgacgc ataatgccac 148980  
 gacaacaata agaataccgc gccttcccag ttacctgctg gaagcgcgtc tgttgtccgt 149040  
 gacagctatc ctgaaagaca caaagaaaaa aaaaaccag cctcaggcgt agcagctgcg 149100  
 acgctcagcg cgggtgtctga aagctcgcca aggtctcgcg taaaagaaca gatgtgaact 149160  
 tcagatgtac caaccaaata atacgggttc cgctataaaa agtgcacctc tattcccgtt 149220  
 cttatccccg ttctaactct tccttgatc ataccttgca tgttaaccgg atcccgtgga 149280  
 tcttacacac atacacacac acacaaactt ggtgaggtaa acacagaaat ctcactaact 149340  
 cataatcccc tacacgtta ccaccaccta aaaatggtta tgaccaaaac tggcaatagt 149400  
 ctatcttctt tttctttcca ttcacagcca atgtgcagta ctcgtgggtc cacaacaacg 149460

aaagagactg tagagacact tcctttaagt agaccttaga gacacaccaa atacaaccac 149520  
 aaccaaaaaa aaaacagaaa acaacacaaa gccaatgagt gcagaaatgc tccgcgctgt 149580  
 tcagctccag ccaagacgcc ggggacattc ctcatctccc acttcccctc cactcgaagg 149640  
 agagcccagt cccaagagac tccaatcgag caacagtcac caagggcgta gaggcagacc 149700  
 taaaccacaga gctaaaacat ggagcgaagc tttatcccac cggtccttcc tcaacattta 149760  
 cgcgtggctg tctttgagtc gagggctctc gcgaaaagt tacggatatg ccttcaggca 149820  
 cagaggagaa ctcgtagcat tgccatggcc gcctaactgg agcctggaac ttcaccacga 149880  
 tccctatcga gacgccagag cacaaaccgt ttggagtcac cgctggggat ggctgcaac 149940  
 acacgtgaca gctcgcacgg tgcgggactg cggtagtgtg aagcagtgtg acacattgtt 150000  
 atcgcaattg tcttaccoga ttaacttttt attaatgtat taagcactct ttcttcacgt 150060  
 gtgactgttg tgttttttgt tgttatctac atcccggcag cctcgcacac gcatatgtac 150120  
 gtgtgctgcg gacgcggaga aaagttgcag cccgtcggat acgtacgcaa cagagccgcg 150180  
 ccttcagacc tgaactcgtt acgcgtcctc ctcatagcca gggacggagc aatgtatgtg 150240  
 catcacatga gaacggcgcg actgtgccgc ctagccagca gtgtgaccga attcgcgcga 150300  
 cgagggtgc agcgagaatc cgaggtttat gaagatgatg tttccttgcc agaccgtcga 150360  
 gtaggttcgg caacggccat tcacctgttt gacgtaatta cccaggcagc cgatgtccac 150420  
 gacctactca ccgtggccgg actgtgtcag actcacaccg gcgtcagctg ccaactgttg 150480  
 tatacagacc acgatcccca caccgtcgct ggggcggcac gcttcacact gacggtcgca 150540  
 cggcagcagt atcgattgtg gccaaacgca cgacgcaaac tgctgcagca cctacatccg 150600  
 gaccacccac ttgggctgtg gctgttgtgt gccgtgctca cgtacgatgc aaaagagacg 150660  
 aatcgcgag tgccaccgt aacgccaggg gccgaaaccg tgtgggtgat agttactggc 150720  
 aggggtgcca ttctaggatt ctggccagag agcgccaaaa tgtgcagatt ggcctcgtct 150780  
 atgaaaggac tctggaaaaa cggagcgcg gcgctaaaag gtcactggac atacgcagca 150840  
 cccggccggc atagagcggg agaggcctgg cttttgtgtg cacactacca atctcctaga 150900  
 tagaacaaaa ttaaaaagat taataaaaaa aagaaaaaaa gtacaagagt gttatcgca 150960

aacagcgtgt caaaaaaaaa aacaatccac atactctaga acaaactgta cccaaaaata 151020  
 agtccgtgtg caaaactggg aaaaaaaaaa tcaccttctt cgttgccact agaggagta 151080  
 ccgaaagtgt aggcaagaag gccacgctgt aaatgactgt cagcgtttgg cgctgaaaac 151140  
 attgctgttc ttgctggctc aagcacaatc acgtgattaa gattcctttc gttttcaaag 151200  
 tgtgcccggg aggacagacat gccctttctc gtgagacatt atgagatttg cctgccagag 151260  
 aaccacgtga cttggactta ctttcgtttt ctaaactgac cctctaggca tgaatgctct 151320  
 ttagcgtagg ccatgaggct agcgtgatcc tgtatagtac ataagtttct aagaatatgt 151380  
 ttttaacaat aatcatgtcc caaaaagtcg cgagtgacta aaattctctg taaatgaagg 151440  
 caaattaaac aggatacaga cagttgtggc agtgggtccg ttcgtctttc tgtgttttcc 151500  
 ttacgcggct gacgaggtaa agtgtctcag tccatattgt tgtctgtgcc accgtagtta 151560  
 gcggtggcat actaaaaact ccgatagatg cagaacaata acaccgaaaa ccacgctgtg 151620  
 gaaccagacc acactttata aacaaaacgg ccttatcacc tggaaaaaaaa aactaaaaat 151680  
 aaggcaatga tacacctgac tttccattgg aaacctgccg taacctgac cacaaatccc 151740  
 atgctaaatc ccctgaaaca ctgccaaacg tcgctacaag gtttttccgg gatcgagccg 151800  
 cagcaagctt aaactgaggt cacacacgac ttttaattac gcaacgcaca gctgtaagct 151860  
 gcaggaaaga tactatcgta agcaaatgta gtcctacaat caagcgaggt tgtagacgtt 151920  
 acctacaatg aactacacct ctaagcataa cctgtcgggc acagtgagac acgcagccgt 151980  
 aaattcaaaa ctcaacccaa accgaagtct aagtctcacc ctaatcgtaa cagtaaccct 152040  
 acaactctaa tcctagtccg taaccgtaac cccaatccta gcccttagcc ctaaccctag 152100  
 ccctaaccct agctctaacc ttagctctaa ctctgaccct aggcctaacc ctaagcctaa 152160  
 ccctaaccgt agctctaagt ttaaccctaa ccctaaccct aaccatgacc ctgaccctaa 152220  
 ccctagggtc gcggccctaa ccctagccct aaccctaate ctaatcctaa tcctagccct 152280  
 aaccctaggg ctgcggccct aaccctagcc ctaaccctaa ccctagccct agggctgcgg 152340  
 ccctaaacct aaccctaacc ctagagctgc ggccctaacc ctaaccctag ggctgcggcc 152400  
 ctaaccctaa ccctagggtc gcggcccgaa ccctagccct aaccctaacc ctagccctag 152460

ggctgcgggcc cgaaccctag ccctaaccct aaccctagcc ctagggctgc ggccctaacc 152520  
 ctaaccctag ccctagggct gcggccctaa acctaaccct agccctaggg ctgcggccct 152580  
 aaccctaacc ctagggctgc ggccctaacc ctaaccctag ggctgcgggcc ctaaccctaa 152640  
 ccctagggct gcggcccgaa ccctaaccct aaccctaacc ctaaccctaa cccaaaccct 152700  
 aaccctaggg ctgcggccct aaccctaacc ctagggctgc ggcccgaaacc ctaaccctaa 152760  
 ccctaaccct agggctgcgg ccctaaccct aaccctaggg ctgcggccct aaccctaacc 152820  
 ctaactctag ggctgcgggcc ctaaccctaa ccctaaccct aaccctaggg ctgcggcccg 152880  
 aaccctagcc ctaaccctaa ccctgaccct gaccctaacc ctaaccctaa ccctaaccct 152940  
 aaccctaacc ctaaccctaa ccctaaccct aaccctaacc ctaaccctaa ccctaaccct 153000  
 gccccactg gcagccaatg tcttgtaatg cttcaaggc actttttctg cgagccgcg 153060  
 gcagcactca gtgaaaaaca 153080

<210> 3

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 3

gctctagact gccacgtgag cgaaagcata cac

33

<210> 4

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 4

ttacttaagt catcggggtc actatcttcg cag

33

<210> 5  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 5  
ccggatccga gttaatgcat acatgggagg ccagg

35

<210> 6  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 6  
cggaattcct gtgtaccgtc atggcttgt

29

<210> 7  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 7  
gacatgccta cgcgccctca ccgag

25

<210> 8  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 8  
ggacgcgtgt agaaacggcc aacg

24

<210> 9  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 9  
gtactaacat catcacatgc gcggag

26

<210> 10  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 10  
gggactattc agattcctta cagag

25

<210> 11  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 11  
gactcagatc tcgagctcaa gcttcg

26

<210> 12  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 12  
ccttctacga gcggctcggc ttcac 25

<210> 13  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 13  
atggaaacga caaacagccg gcgtg 25

<210> 14  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 14  
ctatcgaact acgtcgtgca cggc 24

<210> 15  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 15  
cggcacgttg accgcagagg atctg 25

<210> 16  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially

## Synthesized Primer Sequence

<400> 16

ctccggtgct cctgcaacct gatgtc

26

<210> 17

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 17

gaagtggcag tgcataccta aactggc

27

<210> 18

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 18

ccattcagtt cgccggcaca gtcc

24

<210> 19

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 19

gccaaatcta gctgctgagg ttccc

25

<210> 20

<211> 25

<212> DNA

<213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 Synthesized Primer Sequence

<400> 20  
 ctgtttgcgg tgcgtctgga cgaag 25

<210> 21  
 <211> 25  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 Synthesized Primer Sequence

<400> 21  
 gagggcggaa agcgagtctt gtgtg 25

<210> 22  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 Synthesized Primer Sequence

<400> 22  
 catcctcgaa gaattgtctt ttcggg 26

<210> 23  
 <211> 26  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence:Artificially  
 Synthesized Primer Sequence

<400> 23  
 cgtagccttc gggcatggcg gacttg 26

<210> 24  
 <211> 26  
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 24

ccttcagctc gatgcggttc accagg

26

<210> 25

<211> 73

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 25

cttatgagta tttcttccag ggtactcgag gctgggtagt cccaccttt ctagattttt 60  
tttttttttt ttt 73

<210> 26

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 26

gctgggtagt cccaccttt ctaga

25

<210> 27

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 27

cttatgagta tttcttccag ggtactcgag

30

<210> 28  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 28  
cagcgtttcc tgatgttga acccag

26

<210> 29  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 29  
gcatcttacc aatgatgatc gcaagc

26

<210> 30  
<211> 37  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 30  
ttggatcctg atcatttgca tgttgctagt atgtcag

37

<210> 31  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 31  
gactagtctc cgaatcgaag ctaatctgag agc

33

<210> 32  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 32  
ccgattccta ctttcgacaa gagg

24

<210> 33  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 33  
ctccgtacca cagtctgtct agtc

25

<210> 34  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 34  
gcgtcgacag ccagttgacg ttgctggta ctcag

35

<210> 35  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 35  
ttggatccat gccttctcca tatgaagaca gcagc 35

<210> 36  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 36  
ggactagtca gatttgtcat gttagtttaa tagtcg 36

<210> 37  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 37  
ggaattccgc aagatacgga ctatattaag cagg 34

<210> 38  
<211> 35  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 38  
cgacgcgtcc attgcgtatg caaccgacga ttctc 35

<210> 39  
<211> 34  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:Artificially

## Synthesized Primer Sequence

<400> 39

gggggtaccct gagccgggca gttcatcggt atgg

34

<210> 40

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 40

ggactagtca ctgcgcaatt agaagaagcc ta

32

<210> 41

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 41

ggaattcgat gatgaacaaa tcatttttct cgcac

35

<210> 42

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence

<400> 42

cgacgcgtca ccaaaaattt tcccattcac atcg

34

<210> 43

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Artificially  
Synthesized Primer Sequence :

<400> 43

ggggtaccgc atggatttct tagcgaattt gtgctg

36